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Ongoing Monitoring Report, 2024

PFAS OMP - RAAF Base Williamtown

18-Jul-2025
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Ongoing Monitoring Report, 2024

PFAS OMP - RAAF Base Williamtown

Client: Department of Defence

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List of Acronyms

Acronym	Term
ADWG	Australian Drinking Water Guidelines
AECOM	AECOM Australia Pty Ltd
AFFF	Aqueous Film Forming Foam
AIR	Annual Interpretive Report
bgs	Below Ground Surface
BoM	Bureau of Meteorology
CSM	Conceptual Site Model
Defence	Department of Defence
DEMS	Demolition of Explosive Munitions Site
DoH	Department of Health
EPC	Exposure Point Concentration
ESA	Environmental Site Assessment
FFTA	Former Fire Training Area
FTF	Former Training Facility
FTP	Former Training Pad
FSANZ	Food Standards Australia New Zealand
GW	Groundwater
GWE	Groundwater Elevation
HEPA	Heads of Environment Protection Authority
HHRA	Human Health Risk Assessment
HWC	Hunter Water Corporation
LOR	Limit of Reporting
MD	Moors Drain
MW	Monitoring Well
NE	Northeast
NEMP	National Environmental Management Plan
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NHMRC	National Health and Medical Research Council
NSW	New South Wales
OMP	Ongoing Monitoring Plan
OMR	Ongoing Monitoring Report
PCT	Plant Community Type
PFAS	Per- and Poly-Fluoroalkyl Substances

Acronym	Term
PFHxS	Perfluorohexanesulfonic Acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PMAP	PFAS Management Area Plan
PPE	Personal Protective Equipment
QC	Quality Control
RAAF	Royal Australian Air Force
SA	Southern Area
SAQP	Sampling and Analysis Quality Plan
SD	Sediment
SS	Surface Soil
STP	Sewage Treatment Plant
SW	Surface Water
SWL	Standing Water Level
TDI	Tolerable Daily Intake
TOC	Top of Casing
WTP	Water Treatment Plant

List of Units

Units	Term
˚C	Degrees Celsius
µg/L	Micrograms per litre
µS/cm	MicroSiemens per centimetre
g	Gram
km	Kilometre
L	Litre
m	Metre
mAHD	Metres relative to Australian Height Datum
mbTOC	Metres below Top of Casing
mg/kg	Milligrams per Kilogram
mg/L	Milligrams per litre
ML	Megalitre
mm	Millimetre

Executive Summary

Introduction

AECOM Australia Pty Ltd (AECOM) was engaged by the Department of Defence (Defence) to implement the Ongoing Monitoring Plan (OMP) for monitoring of per- and poly-fluoroalkyl substances (PFAS) at the Royal Australian Air Force (RAAF) Base Williamtown (the 'base').

Objective

The objective of implementing the OMP is to provide information on changes in location and concentrations of PFAS within the environment. The data is required to assist risk management decisions by Defence and NSW State Government agencies to protect human health and the environment.

Monitoring Scope

AECOM completed two monitoring events of groundwater, surface water and sediment, and one round of aquatic biota sampling, between January 2024 and December 2024 (the 'monitoring period') in accordance with the sampling and analysis quality plans (SAQP) developed by AECOM (2023, 2024a, 2024d).

This monitoring targeted PFAS, namely perfluorooctanesulfonic acid (PFOS), perfluorooctanoic acid (PFOA) and perfluorohexanesulfonic acid (PFHxS) as they are the primary chemicals associated with the PFAS fire-fighting foams used at the base historically.

Monitoring Results

Groundwater

As specified in the OMP, groundwater sampling in this monitoring period focused on locations at identified PFAS source areas on-base, locations at the base boundary, and off-base within the Management Area, as defined by the NSW Government.

Overall, the concentrations of PFAS in groundwater were similar to those reported in previous monitoring periods. At several on-base PFAS source areas, 'decreasing' or 'probably decreasing' trends were observed, indicating that targeted treatment of on-base source areas continues to reduce PFAS mass from the environment.

Increasing trends were observed at some off-base monitoring locations in the Primary Management Zone (as defined by the NSW Government) south of the base suggesting the core of the plume continues to migrate away from source areas in the central region of the base. Decreasing trends were observed in some locations east of the base proximate to Moors Drain. However, PFAS concentrations and the shape of the groundwater plume remains relatively consistent with the extents identified during the 2017 Detailed Site Investigation (AECOM, 2017a).

First-time detections of PFAS were reported at four locations in the off-base Management Area, and three first-time exceedances of the drinking water guidelines, were reported during the monitoring period. However, the findings were reviewed against OMP triggers and were found to present no additional risks to people or the environment.

Surface Water and Sediment

Co-located Surface Water and Sediment samples were collected on-base and off-base during the monitoring period, and focussed on identified PFAS-source areas, the base boundary and key drains within the off-base Management Area.

PFAS concentrations were similar to historical results. The highest PFAS concentrations were associated with on-base source areas and drains flowing from the base, including those in the Primary Management Zone where groundwater upwells into surface water drains.

PFAS concentrations remained within or the same order of magnitude of historical ranges with no consistent trends observed in the dataset, and present no further risks to people or the environment.

Conceptual Site Model and Risk Summary

The Conceptual Site Model (CSM) is used to describe the ways that PFAS moves from source areas on the base into the surrounding environment. Specifically, the CSM describes the links between PFAS sources, transport pathways, and possible exposure scenarios. The CSM was developed during the investigation stages and the most recent CSM is summarised in the PFAS Management Area Plan (PMAP) (Defence, 2023a).

The risk profile was established by the Human Health Risk Assessment (HHRA) (AECOM, 2017b) and Ecological Risk Assessment (AECOM, 2018) and is summarised in the PMAP (Defence, 2023a).

While there have been localised changes in PFAS concentrations during the monitoring period, risk profile associated with exposure to PFAS in groundwater, surface water and sediment have not changed.

What is an 'order of magnitude'?

This refers to something decreasing or increasing by multiples of ten. For instance, an increase from 10 to 100 is an order of magnitude increase. When assessing changes in PFAS concentrations at an individual location, all concentrations are considered when determining trends, but order of magnitude changes are discussed separately as they represent a significant change in concentrations from what was reported in the previous event.

If a change is close to established health or environmental criteria, it will also be considered significant.

Remediation Progress

Defence continued remediation actions at the base to reduce PFAS mass flux across the base boundary, in accordance with the PMAP (Defence, 2023a). During the monitoring period:

- The three water treatment plants on-base removed approximately 4.7 kg of PFAS from the environment (groundwater and surface water).
- The decrease in concentrations of the northern portion of the Western Region is likely to be attributable to the soil remediation and ongoing groundwater treatment at the former fire training area (FFTA).
- The Lake Cochran Passive Barrier system trial was successfully completed under controlled conditions, with ongoing performance to be monitored under the OMP.
- Defence is also planning to implement additional management actions to target the western plume and central plume, and potentially upgrade the Moors Drain water treatment plant, it is estimated that these proposed additional works will reduce PFAS flux entering the environment by around 30 kg per year.
- Whilst remediation progress continues across the base, the management of risks to PFAS continues to be undertaken in accordance with the actions outlined in the PMAP.

1.0 Introduction

AECOM Australia Pty Ltd (AECOM) was engaged by the Department of Defence (Defence) to implement the per- and poly-fluoroalkyl substances (PFAS) Ongoing Monitoring Plan (OMP) at Royal Australian Air Force (RAAF) Base Williamtown (the 'base') (**Figure F1** in **Appendix A**).

The monitoring targeted PFAS in a range of environmental media at selected locations on-base and in surrounding off-base areas, including the Management Area as defined by the NSW State Government (**Figure F1** in **Appendix A** and NSW Government released figure in **Appendix D**).

In order to meet the objectives of the OMP, the monitoring was undertaken in accordance with the *Sampling Analysis and Quality Plan* (SAQP) (AECOM, 2023, 2024a and 2024f). Concurrent programs of work being delivered by Defence outside of this monitoring program were also considered. A summary of these ancillary works is presented in **Section 6.0**.

This report has been prepared in accordance with the *PFAS Investigation and Management Program Guidance Ongoing Monitoring Program Reporting* (Revision 0) issued in February 2024 (Defence, 2024) based on monitoring data collected between January 2024 and December 2024 (the 'monitoring period').

1.1 Purpose and Objective

The objective of the monitoring program set out in the OMP (Defence, 2023b) is to identify and evaluate:

- spatial and temporal (including seasonal) variability of PFAS in the environment
- changes to sources, transport pathways and/or receptors, described as a Conceptual Site Model (CSM) for the base
- whether risks to human and ecological receptors require review
- the influence that risk management activities at the base, as outlined in the PFAS Management Area Plan (PMAP) (Defence, 2023a) have had on PFAS in the environment
- whether the identified changes trigger an action and or review.

The data collected may be used to inform where new risk management actions may be required, or to support a determination that remediation has been completed so far as reasonably practicable.

1.2 Scope

The scope of works for this Ongoing Monitoring Report (OMR) included assessing PFAS data collected between January 2024 and December 2024 and evaluating if the results change the understanding of the CSM and the risk profile. This included the evaluation of data reported during the monitoring period in the following reports which are included in **Appendix G**:

- *Sampling Event Factual Report – Biota Sampling, 2024. RAAF Base Williamtown.* 31 July 2024 (AECOM, 2024c).
- *Sampling Event Factual Report, April 2024. RAAF Base Williamtown.* 25 September 2024 (AECOM, 2024e).
- *Sampling Event Report, September 2024. PFAS OMP - RAAF Base Williamtown*. 26 November 2024 (AECOM, 2024f).

The OMR also considers PFAS data collected outside the OMP.

2.0 Site Setting

2.1 Site Description

The site identification and setting are summarised in **Table 1** below:

Table 1 Site identification and setting summary

Element	Description
Site ID	0908
Site Location	The base is located at Medowie Road, approximately 15 km north of the Newcastle NSW central business district and is located in the Port Stephens local government area, as shown in **Figure F1** in **Appendix A**.
Regional Meteorology	The Bureau of Meteorology (BoM) Williamtown RAAF weather station (number 061078) has recorded data since 1942 and presents a record of approximately 80 years. Review of the BoM data for the monitoring period indicates the following: • Mean monthly maximum temperatures varied from 17.4°C in July 2024 to 30.7°C in January 2024. • The rainfall recorded at the base was 1,202 mm during the monitoring period. Assessment of rainfall during the monitoring period against the mean rainfall is presented in Section 6.4. • The mean rainfall for all years on record was 1,128.7 mm per annum. The lowest recorded annual rainfall was 541 mm in 1980 and the highest annual rainfall was 1,794 mm in 1963. The highest monthly rainfall generally occurs between January and June (averaging 115 mm per month), with the lowest rainfall in July to December (averaging 74 mm per month) (BoM, 2024).
Topography and Hydrology	The base and Management Area are situated in a generally low-lying area associated with the Lower Hunter River. The region is characterised by low sand dunes, sand sheets and estuarine mud flats. The overall change in elevation across the base and Management Area is less than 10 m (AECOM, 2017a). The base is surrounded by an interconnected network of drains, rivers, estuaries, reservoirs and coastal waterbodies within the catchment areas of both the Hunter River and Port Stephens estuary. The major elements of the regional surface water drainage network include: • Dawsons Drain, the Fourteen Foot Drain and the Ten Foot Drain, which are located to the south of the base and drain into Fullerton Cove (**Figure F1** in **Appendix A**). • Moors Drain and Tilligerry Creek, which are located to the east and southeast of the base and drain to the north east into the Tilligerry Creek arm of Port Stephens (**Figure F1** in **Appendix A**). Additionally, the following regional waterbodies are present in the area: • Grahamstown Dam located approximately 2 km northwest of the base. • Campvale Drain located 1.5 km to the north of the base. • Tilligerry Creek estuary located approximately 6 km to the east. • Port Stephens located approximately 10 km northeast.

Element	Description
	• Fullerton Cove located approximately 3 km to the southwest. • Hunter River Estuary located approximately 7 km southwest and west. • Pacific Ocean located approximately 4.5 km to the south/southeast.
Geology and Hydrogeology	The geology of the base and Management Area comprises unconsolidated sands (Tomago Sand Beds and Stockton Sand Beds) underlain by estuarine sediments (Tilligerry Mud Member). The hydrogeology of the area is characterised by two unconfined sand aquifers: • Tomago Sand Beds aquifer located northwest of Tilligerry Creek. • Stockton Sand Beds aquifer located between Tilligerry Creek and the Newcastle Bight. The Tomago Sand Beds aquifer is highly permeable and readily infiltrated by rainwater owing to the nature of the relatively coarse-grained aquifer material and shallow water table. The aquifer in the Stockton Sand Beds is approximately 10 to 20 m thick and is composed primarily of sands. PFAS source areas on the base are located on the Tomago Sandbeds and PFAS migration in groundwater appears to occur principally within that aquifer. Further migration of the PFAS plume appears to be restricted by the north-westerly groundwater flow of the Stockton Sandbeds and by the presence of the confining effects of the Tilligerry Mud Member. Groundwater has been considered from a range of depths to consider the distribution of PFAS in the environment. These include: • Shallow groundwater screened primarily between 4-6 metres below ground surface (m bgs). • Intermediate groundwater screened between 10-14 m bgs. • Deep groundwater greater than 16 m bgs.
Vegetation	The base is bounded by the Tilligerry State Conservation area to the northwest and east. The base and immediate surrounding areas comprise a mix of remnant and densely populated native vegetation with some non-native species which extends some 15 km to the east of the base and some 13 km to the west. The heavily populated vegetations areas that surround the base to the north, east and west are punctuated by tracks, roads, transmission lines and other linear infrastructure. The base is part of a broader low-lying marsh ecosystem and is often inundated, particularly to the north of the base which is naturally lower lying. Vegetation according to the Hunter, Central & Lower North Coast Vegetation Classification & Mapping Project Volume 1: Vegetation Classification technical report, report prepared by HCCREMS (2009) notes the following plant community type (PCT)/vegetation groups on-base and in surrounding areas: • PCT 1707: Banksia oblongifolia – Hakea teretifolia – Leptocarpus tenax – Lepyrodia scariosa wet heath on sandstone ranges of the Central Coast. • PCT 1647: Red Bloodwood – Smooth-barked Apple heathy woodland on coastal sands of the Central and lower North Coast.

Element	Description
	• PCT 1651: Parramatta red gum – Fern-leaved banksia – Melaleuca sieberi swamp woodland of the Tomaree Peninsula. • PCT 1721: Swamp Mahogany – Broad-leaved Paperbark – Saw Sedge – Yellow Marsh Flower swamp forest of coastal lowlands. • PCT 1650: Parramatta Red Gum – Rough-barked Apple – Swamp Mahogany – Paperbarks swamp forest on lowlands of the Central Coast. The condition of remnant vegetation on-base (and surrounds) appears to primarily be in good condition with little disturbance. Some areas of regeneration are evident on-base.
Current and Previous Land Use (on-base)	The base has been an active Defence base since 1941 and serves as the headquarters to both the Air Combat Group and the Surveillance and Response Group. In 2014, it was designated as the home base for Australia's F-35 Joint Strike Fighters. Activities undertaken on-base include training of Defence personnel in fire-fighting techniques, for which fire-fighting foams are used. PFAS were an active ingredient in legacy aqueous film forming foam (AFFF) used at the base since the early 1970s, which were phased out in 2004. Defence transitioned to Ansulite foam, which does not contain PFOS and PFOA as an active ingredient, only in trace amounts. Ansulite is only used by Defence in emergency situations where human life is at risk, or in controlled environments to test equipment.
Current and Previous Land Use (off-base)	Off-base land uses comprise rural and semi-rural settlements at Fullerton Cove and Salt Ash, small commercial properties and the Salt Ash Primary School. Tilligerry State Conservation area, managed by National Parks and Wildlife Service and occupying approximately 7.6 km^2, immediately borders the base to the west, north and east. Hunter Water Corporation (HWC) pumping stations and groundwater extraction bore fields are located to the west, north and east of the base.

2.2 Management Area

The boundary of the initial Investigation Area was defined by the NSW Government in late 2015. Following the publication of the Environmental Site Assessment report in December 2017, the NSW Government superseded the Investigation Area with the establishment of the Williamtown Management Area as described below.

The Management Area comprises three zones described below and illustrated on the NSW Government map presented in **Appendix D**:

- **Primary Management Zone** – this area has significantly higher levels of PFAS detected and directly receives PFAS-contaminated water migrating from the base. Therefore, the strongest precautionary advice applies.
- **Secondary Management Zone** – this area has some detected levels of PFAS.
- **Broader Management Zone** – the topography and hydrology of the area means PFAS detections could occur now and into the future.

The NSW Government noted that each zone has tailored precautionary advice for residents to minimise exposure to PFAS originating from the base.

2.3 PFAS Source Areas and Distribution

Source areas can be primary or secondary. Primary sources are generally areas of PFAS contamination where AFFF was used or stored, for example a fire training area. Secondary sources are areas where PFAS accumulates and then continues to feed into the environment, such as Lake Cochran. PFAS can travel from a source to human or environmental receptors via surface water and/or groundwater. These are referred to as “migration pathways”.

The updated PMAP (Defence, 2023a) provides an updated list of the PFAS sources, and the migration pathways based on the natural catchments across the base and Management Area (**Figure F1** in **Appendix A**), as follows:

- Western Region – characterised by the Former Fire Training Area (FFTA) source that is now remediated, and a PFAS groundwater plume extending south away from the source through the former Demolition of Explosive Munitions Site (DEMS) landfill. A substantial proportion of the western plume is still on-base. PFAS from the western plume is inferred to discharge to Dawsons Drain south of the base.
- Central Region – characterised by PFAS sources at the:
  - Former and Current Fire Station area, including the Former Fire Training Pad (FTP); Foam Testing Facility (FTF); and Current Fire Station (Facility 165), located centrally within the base.
  - the Sewage Treatment Plant (Facility 410), located south of the base adjacent to Newcastle Airport.
  - Lake Cochran, stormwater retention pond that receives surface water runoff from central portions of the base including the Former and Current Fire Station area.

  PFAS groundwater plumes from these sources extend south across the southern base boundary. The concentrations of PFAS south of the base and north of Cabbage Tree Road were likely sourced from Lake Cochran, which was impacted when AFFF containing high concentrations of PFAS were still in use at the base. However, Lake Cochran is no longer considered a significant ongoing PFAS source to groundwater. PFAS in the central southern plume primarily discharges into Leary’s and Dawsons Drain.
- Eastern Region – characterised by likely sources at the Trade Waste Treatment Plant (Facility 480) and the Former Fuelling Area. The PFAS impacts in the Eastern Region are primarily due to groundwater entering the drainage network and discharging to Moors Drain, which flows to Tilligerry Creek. Given that the primary pathway east of the base is via Moors Drain and groundwater flow is to the south, the groundwater plume to the east of the base is not as developed as the western and central plumes.

The dominant regional groundwater flow direction at the base is to the south and southwest, with groundwater in the Tomago Sand Beds aquifer flowing towards Fullerton Cove in the western portion of the base, while also flowing in a south easterly direction in the eastern portion of the base. Further south, groundwater from the Stockton Sand Beds aquifer flows in a north westerly direction towards Tilligerry Creek. The PFAS plumes originating from the multiple primary sources in the Western and Central Regions are merging and moving southward.

PFAS is also present in groundwater to the east of the base, including at Salt Ash, inferred to be related to PFAS in surface water migrating along the drain network (Moors Drain and associated tributaries) before infiltrating to groundwater.

2.3.1 Groundwater Impact

The groundwater flow patterns broadly reflect the regional drainage. Groundwater levels below sea level in the area are likely to reflect groundwater depressurisation caused by the deeper drainage features such as the Fourteen Foot Drain and Ten Foot Drain.

The lateral hydraulic gradient at and surrounding the base ranges from about 0.001 metres per metre (m/m) to about 0.0025 m/m (AECOM, 2017b). The gradient is indicated to be slightly steeper on-base

(0.0025 m/m) and flattens out towards a natural depression running in a southwest to northeast direction, south and east of the base (0.001 m/m).

The direction of the vertical hydraulic gradient varies across the base area. This may be due to the degree of interaction with surface water, with gaining surface water bodies associated with upward gradients and losing surface water bodies associated with downward gradients. Seasonal groundwater level fluctuations have been noted historically, with up to 0.8 m of fall in some locations that coincided with low rainfall between May 2023 and November 2023.

The two main primary sources of PFAS in surface water and groundwater at the base are the FFTA (within the Western Region); and the former FTP (within the Central Region).

Historical releases during training at the FFTA have resulted in a groundwater plume extending south from the FFTA. PFAS-impacted groundwater likely upwells into Dawsons Drain.

Remediation measures undertaken at the FFTA (including soil excavation and installation of a groundwater extraction and treatment system) have resulted in detachment of the plume from the source, however, the detached plume is still migrating towards the southern base boundary. Defence is currently planning for the extraction of groundwater along the southern boundary of the base to target this plume (refer to Section 6.1) as per the PMAP (Defence, 2023a).

Historical releases at the FTP are likely to be the source of the PFAS impacts to surface water in the Central Region (surface drains on-base, water in Lake Cochran, and Dawsons Drain) as well as the groundwater plume extending more than 500 m off-base to the south. The central region plume (southern plume) discharges to the surface in Leary's Drain which eventually discharges to Fullerton Cove.

It is also likely that the FTP is a potential contributing source for the groundwater plume in the Eastern Region, and discharges of PFAS in surface water to Moors Drain.

The discharge of PFAS in groundwater across the base boundary in the Eastern Region has been estimated to be relatively minor (less than 1% of total PFAS discharge in groundwater leaving the base). In accordance with the PMAP (Defence, 2023a) Defence is currently undertaking characterisation of PFAS impacts in surface water within the Eastern Region to refine understanding of PFAS source areas and migration mechanisms.

2.3.2 Surface Water Impact

The base is located within estuarine and coastal wetlands that have been reclaimed via a network of drains constructed to convert low lying swampy land into dry land for improve land use. These drains have provided pathways for the migration of PFAS and substantially influenced its current distribution.

The following two key drains collect surface and drainage water from the base and discharge towards the topographic depression running southwest to northeast beyond the southeastern base boundary (refer to **Figure F3** in **Appendix A**):

- Dawsons Drain:
    - Drains the western portion of the base towards the south in direction of Fullerton Cove (a shallow embayment of the nearby Hunter River). Dawsons Drain receives a significant amount of runoff from parts of the base with multiple known PFAS source areas. Much (but not all) of this water accumulates in Lake Cochran before overflowing to Dawsons Drain.
    - Lake Cochran is a man-made stormwater retention basin that, owing to its depth, intersects shallow groundwater in the southern area of the base. Modelling has supported the assumption that Lake Cochran has historically contributed PFAS-impacted surface water to groundwater.
    - Dawsons Drain flows south from Lake Cochran, passes under Cabbage Tree Road, and discharges into the Fullerton Cove Ring Drain, which discharges to Fullerton Cove via tidal gates. South of the base, Dawsons Drain likely receives upwelling groundwater containing PFAS from the western and central plumes. Dawsons Drain is unlined and provides a connection between surface water and shallow groundwater.

- Moors Drain:
  - Drains the eastern portion of the base via three channels which form two principal branches (Northern Branch and Southern Branch), and merge approximately 1 km east of the base. This drain flows for approximately 7 km north east to discharge via tidal floodgates into the Tilligerry Creek Estuary, which forms part of Port Stephens. Moors Drain receives runoff from the eastern part of the base and is a losing drain (i.e., drain water infiltrates to groundwater) along much off its length. It appears to contribute to secondary PFAS groundwater impacts to the northeast of the base towards Salt Ash and then to Tilligerry Creek Estuary.
  - It is understood that water flow from the base drainage network into Moors Drain only ceases following a prolonged dry period when groundwater levels drop due to limited infiltration and recharge. Moors Drain is unlined and provides a direct pathway to the shallow groundwater.

3.0 Sampling and Analytical Methodology

3.1 Sampling Methodology

The SAQP outlines the proposed schedule and rationale for sampling, prescribing biannual (every six-months) groundwater, surface water and sediment sampling at the base and Management Area, and biennial (every second year) aquatic biota sampling in Fullerton Cove.

The SAQP provides the list of groundwater monitoring wells, surface water, sediment, and biota locations to be sampled during each sampling event, along with the sampling methodology for each of the media. The SAQP is routinely updated prior to each sampling event based on findings from the preceding sampling event. SAQP revisions used throughout the monitoring period are listed in **Table 2**, below. The SAQP (AECOM, 2024d) prepared ahead of the September 2024 biannual sampling event has been included in **Appendix F**.

A summary of the OMP sampling events completed in accordance with the SAQP during the monitoring period is provided in **Table 2** below. Note that some locations could not be sampled due to impediments encountered during the sampling events, which are described in **Section 3.2**.

Table 2 Summary of monitoring events

Monitoring Event (Sampling dates) *Relevant SAQP*	Total Locations in Scope as per SAQP	Total Locations Sampled
January – April 2024 Biennial biota sampling event (24 January 2024 – 22 April 2024) *SAQP: AECOM, 2023*	12 composite biota	12 composite biota
April 2024 Annual sampling event (15 April – 2 August 2024) *SAQP Rev B: AECOM, 2024a*	136 GW	133 GW
	25 SW	24 SW
	26 SD	26 SD
September 2024 Biannual sampling event (19 – 27 September 2024) *SAQP Rev C: AECOM, 2024d*	68 GW	68 GW
	25 SW	25 SW
	26 SD	26 SD

Notes: GW = groundwater, SW = surface water; SD = sediment
All samples were analysed for PFAS extended suite.

3.2 Deviation from OMP requirements

Deviations from the scope outlined in SAQP for the monitoring period are summarised in Table 3 below.

Table 3 Deviations from SAQP during the monitoring period

SAQP Requirement	Sampling Event Deviation	Impact of deviation on dataset
Biennial Biota Sampling Event – January to April 2024		
Biennial biota sampling events are to be completed February	The sampling event was completed between January and April 2024. Due to the reported scarcity of sentinel species in Fullerton Cove, NSW Department of Primary Industries (DPI), Port Stephens Fisheries Institute (Fisheries) recommended extending the duration of the biota sampling event from January 2024 until April 2024 in an effort to collect the target number of individual specimens.	This change in sampling period is not considered to impact on the dataset given that it was recommended by DPI Fisheries to enable the collection of targeted species.
Fish to be euthanised by blunt force trauma followed by exsanguination	The fish were euthanised by ice in water, rather than the methodology specified in the SAQP. This alternative method was considered by DPI Fisheries to be suitable and within their permit.	This change in methodology is considered unlikely to impact on the dataset.
Record water quality parameters	During sample collection events on 19 February 2024 and 28 March 2024, DPI Fisheries did not record water quality parameters.	The lack of water quality parameters is not considered to impact the reliability of the data collected.
Annual Sampling Event – April to August 2024		
136 groundwater locations are identified to be sampled as part of the annual sampling event.	A total of five residential groundwater bore locations (POT046, POT085, POT107, POT144 and POT236) and one groundwater monitoring well (MW139), located on private property were also sampled at the request of landowners following the publication of the updated OMP (Defence, 2023b). These locations have been noted as deviations from the OMP. Of the five locations, three residential groundwater bore locations (POT046, POT085 and POT236) were not sampled as accesses approval from property owners were not received within the sampling period.	The inclusion of additional locations is not considered to have an impact on the data.
25 surface water locations are identified to be sampled as part of the annual sampling event.	Surface water location SW588 was dry and therefore could not be sampled during the event.	The lack of sampling data at this location (drain at the base boundary) is not considered to have a significant impact on the existing data or present a significant data gap given that the nearby downstream location (SW001) was able to be sampled.
	Due to safety and access considerations, the surface water sample at SW582 (a stormwater drain on base) was collected using a dedicated disposable HDPE bailer, before being decanted into laboratory supplied bottles.	Given that sampling results for SW582 were within the historical range reported at this location, the change in sampling methodology is not considered to have

SAQP Requirement	Sampling Event Deviation	Impact of deviation on dataset
		impacted upon the reliability of the data for the purposes of the OMP.
Biannual Sampling Event – September 2024		
One of the scheduled groundwater sampling locations (MW132S) has been incorrectly identified in the SAQP and OMP.	Monitoring well MW132S is a scheduled groundwater sampling location in accordance with the OMP (Defence, 2023b) and SAQP (AECOM, 2024d). During an audit of the data collected to date, it was identified that the location sampled under the OMP program was MW132I, rather than MW132S. Location MW132S appears to have been destroyed/lost. Only MW132I (intermediate well) and MW132D (deep well) are present at the sampling location cluster.	This change has no impact to the overall interpretation of the data or the program, noting that the same monitoring well had been sampled throughout the program, and data has now been reviewed against the correct historical dataset. The monitoring well MW132I is a suitable well for the purpose of the OMP. The SAQP and the OMP should be updated to replace MW132S with MW132I, on their next respective revisions. The Defence ESdat database has been updated, associating the samples collected to the correct Location Code (MW132I).

4.0 Quality Assurance and Quality Control

Data validation pertaining to the data in this report has been previously completed and discussed within the individual Sampling Event reports listed in **Section 1.2**.

Data validation procedures employed in the assessment of the field and laboratory Quality Assurance and Quality Control data, completed as per Section 3.2 of the SAQP (AECOM, 2024d), indicated that the reported analytical results are representative of the sample locations and that the overall quality of the analytical data produced is acceptably reliable (i.e. >95% of the data was suitable for use and DQIs passed acceptance criteria) for the purpose of the sampling event reports and this OMR.

All data collected during the monitoring period had been reviewed and uploaded to the Defence ESdat database in accordance with the Defence Contamination Management Manual (DCMM) requirements.

5.0 Assessment Criteria

The adopted assessment (screening) criteria references national guidance in the form of PFAS National Environmental Management Plan (NEMP) (Heads of Environment Protection Authority Australia and New Zealand [HEPA], 2025), Defence estate and environmental strategies, and Defence PFAS-specific strategies and guidance.

At the time of preparing this report, a number of national guidance documents were available in Australia and referred to including:

- HEPA, 2025. PFAS NEMP Version 3.0. 2025.
- Department of Health (DoH), 2017. Health Based Guidance Values for PFAS for use in site investigations in Australia. April 2017. This document is based on the works undertaken by Food Standards Australia New Zealand (FSANZ) in 2017 (FSANZ, 2017).
- National Health and Medical Research Council (NHMRC), 2019. Guidance on Per and Polyfluoroalkyl Substances (PFAS) in Recreational Water. August 2019 (NHMRC, 2019).
- National Environment Protection Council (NEPC), 2013. National Environment Protection (Assessment of Site Contamination) Measure 1999, Schedule B1, as amended in 2013 (ASC NEPM, 2013).

The adopted PFAS screening criteria to assess the data collected as part of the monitoring are presented in **Table 4**, **Table 5** and **Table 6**. It is noted that for the purpose of presenting data within this report AECOM has focused on Perfluorooctanoic acid (PFOA), Perfluorooctanesulfonic acid (PFOS) and PFOS + Perfluorohexanesulfonic acid (PFHxS) i.e., those PFAS for which there are either human health and/or ecological screening criteria.

At the time this report was prepared no assessment criteria were available in Australia for PFAS in sediments.

Table 4 PFAS water criteria summary: Human health

Media	Pathway	Chemical	Criteria	Comment/Reference
Water – Groundwater	Drinking water	PFOS+PFHxS	0.07 µg/L	The values presented in the PFAS NEMP (HEPA, 2025) are from DoH (2017) which published final health-based guidance values for PFAS for use in site investigations in Australia. DoH utilised the tolerable daily intake (TDI) for PFOS and PFOA from FSANZ (2017) and the methodology described in Chapter 6.3.3 of the NHMRC Australian Drinking Water Guidelines (ADWG, 2022) to determine drinking water values. For PFHxS, DoH 2017 noted that '*FSANZ concluded that there was not enough toxicological and epidemiological information to justify establishing a tolerable daily intake. However, as a precaution, and for the purposes of site investigations, the PFOS tolerable daily intake should apply to PFHxS. In practice, this means that the level of PFHxS exposure should be added to the level of PFOS exposure; and this combined level be compared to the tolerable daily intake for PFOS*'. *All groundwater results were screened against these criteria. It is noted that at the time when this report was prepared, revised guidance values for PFAS in drinking water had been issued in draft form by NHMRC, but not finalised.*
		PFOA	0.56 µg/L	

Media	Pathway	Chemical	Criteria	Comment/Reference
Water – Surface Water and Groundwater	Recreational use	PFOS+PFHxS	2 µg/L	The previous values presented in the 2018 PFAS NEMP were from DoH (2017), which published final health-based guidance values for PFAS for use in site investigations in Australia. However, in 2019 the NHMRC's water quality advisory recommended an alternative methodology to calculate recreational guideline value. Instead of basing it on an ingestion rate of 0.2 L of water per day (as per the *Australian Drinking Water Guidelines* [ADWG] formula), NHMRC (2019) adjusted this rate with consideration of an event frequency (150 events / year) to calculate an annual ingestion rate of 30 L per year. These NHMRC (2019) values have since been adopted under Revision 3.0 of the PFAS NEMP (HEPA, 2025). Given that groundwater at the base is extracted for irrigation purposes (post treatment), the recreational guidelines have been adopted to be protective of this water use activity. *All surface water and groundwater results were screened against these criteria.*
		PFOA	10 µg/L	

Table 5 PFAS water criteria summary: Ecological

Media	Pathway	Chemical	Criteria	Comment/Reference
Water – Groundwater and Surface Water	Freshwater	PFOS	0.00023 µg/L	The values are from the PFAS NEMP (HEPA, 2025) which endorsed the Australian and New Zealand Guidelines for Fresh and Marine Water Quality. The 99% species protection level (high value conservation systems) has been applied. This approach is generally adopted for chemicals that bioaccumulate and biomagnify in wildlife. It is proposed that the laboratory LOR is adopted for the purposes of preliminary screening of analytical water results, rather than sole use of the criteria value. *All groundwater and surface water samples were screened against these criteria. Assessment of these criteria against groundwater results are relevant at the point of discharge.*
		PFOA	19 µg/L	

Table 6 PFAS aquatic biota screening criteria

Chemical	Criteria	Comment
FSANZ (2017) 2-6 years Crustaceans (all species)		
PFOS	0.065 mg/kg	*All school prawn sample results will be compared against these criteria*
PFHxS	0.065 mg/kg	
PFOA	0.520 mg/kg	
FSANZ (2017) 2-6 years Finfish (all species)		
PFOS	0.0052 mg/kg	*All luderick and dusky flathead sample results will be compared against these criteria*
PFHxS	0.0052 mg/kg	
PFOA	0.0410 mg/kg	

6.0 Contextual and Ancillary Information

6.1 PFAS Remediation Projects

Defence has implemented multiple remedial actions that were identified in the 2019 PMAP (Defence 2019), and subsequent updated 2023 PMAP (Defence 2023a), to manage potential PFAS exposure risks and progressively reduce PFAS migration from the base in surface water and groundwater.

PFAS remediation projects conducted within the monitoring period consisted of groundwater extraction and treatment at the three on-base water treatment plants. A summary of the three water treatment plants' performance up to November 2024 is provided below in **Table 7**.

Table 7 Water Treatment Plant performance summary

Item	MD WTP	FFTA WTP	SA WTP
Treatment commencement	June 2017	July 2018	May 2019
Volume treated since commencement (as of 20 November 2024)	983 ML	2,047 ML	1,197 ML
Average total PFAS concentrations prior to treatment (since commencement) in µg/L	4.08	18.07	12.72
Average PFOS+PFHxS concentrations prior to treatment (since commencement) in µg/L	3.56	16.73	11.34
Average PFOS+PFHxS treated water concentration (since commencement) in µg/L	< 0.01	< 0.01	< 0.01
Approx. total PFAS removed since commencement (as of 20 November 2024)	3.48 kg	34.52 kg	15.27 kg
PFAS removed in this monitoring period	0.29 kg	2.67 kg	1.77 kg

Overall, approximately 4.7 kg of PFAS was removed from the environment (groundwater and surface water) via the three water treatment plants (WTP) during this monitoring period. Further detail on each WTP is provided in the following sections.

6.1.1 FFTA Water Treatment Plant project

Defence continued the extraction and treatment of PFAS-impacted groundwater in the area of the FFTA by a pump and treat system using ionic exchange resin treatment technology. Treated water is disposed by on-base irrigation.

The annual average PFAS concentration treated by the FFTA WTP is provided in **Figure 1** and the PFAS mass removed annually by the FFTA WTP is provided in **Figure 2**. The concentrations are those measured at the inlet of the water treatment plant. **Figure 1** shows that the average influent PFAS concentration in 2023-2024 was less than half of that when the plant commenced its operation in 2018.

The PFAS mass removed has reduced from around 8.5 kg between 2018 and 2019 to about 2.76 kg between 2023 and 2024, as shown on **Figure 2**.

Defence is currently planning for the extraction of groundwater from the core of the FFTA plume via a new extraction wellfield (known as the Western Region wellfield) at the southern boundary of the base. This will involve the movement of the extraction system of the FFTA WTP to the southern boundary. This change has been made in response to the migration of the centre of mass of the plume beyond the capture zone of the current extraction system, as evidenced by the reduction in treatment concentrations and PFAS mass from the current extraction area. The commissioning of the new extraction wellfield is expected to commence in 2025.

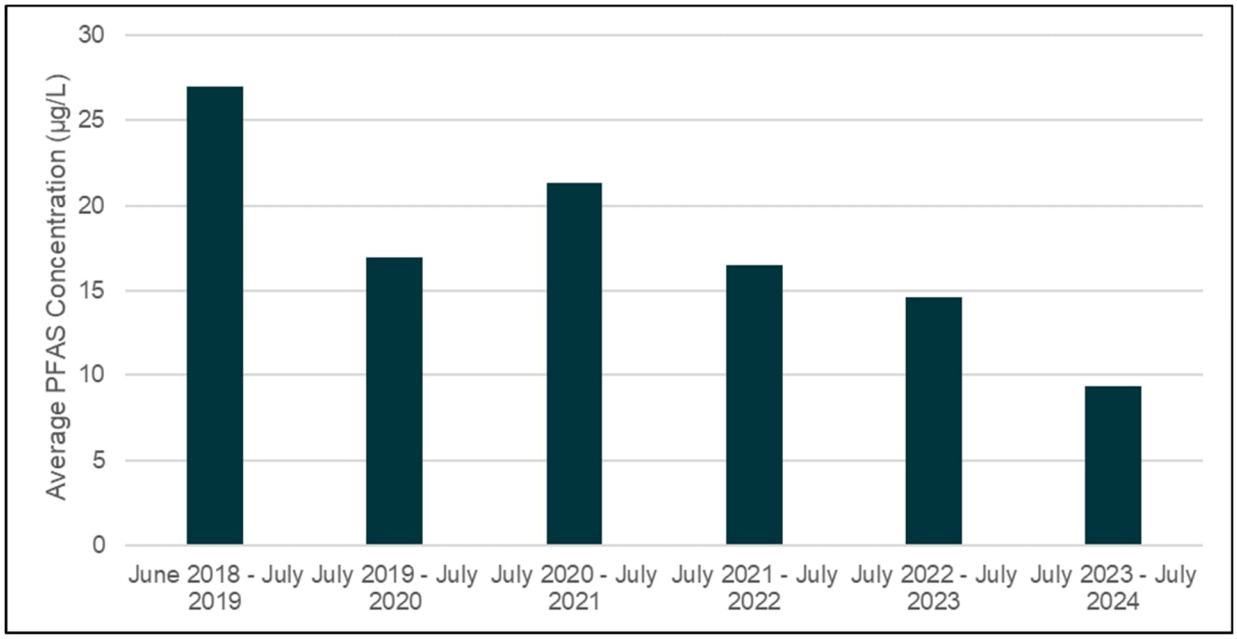

Figure 1 Annual average PFAS concentration treated by FFTA WTP

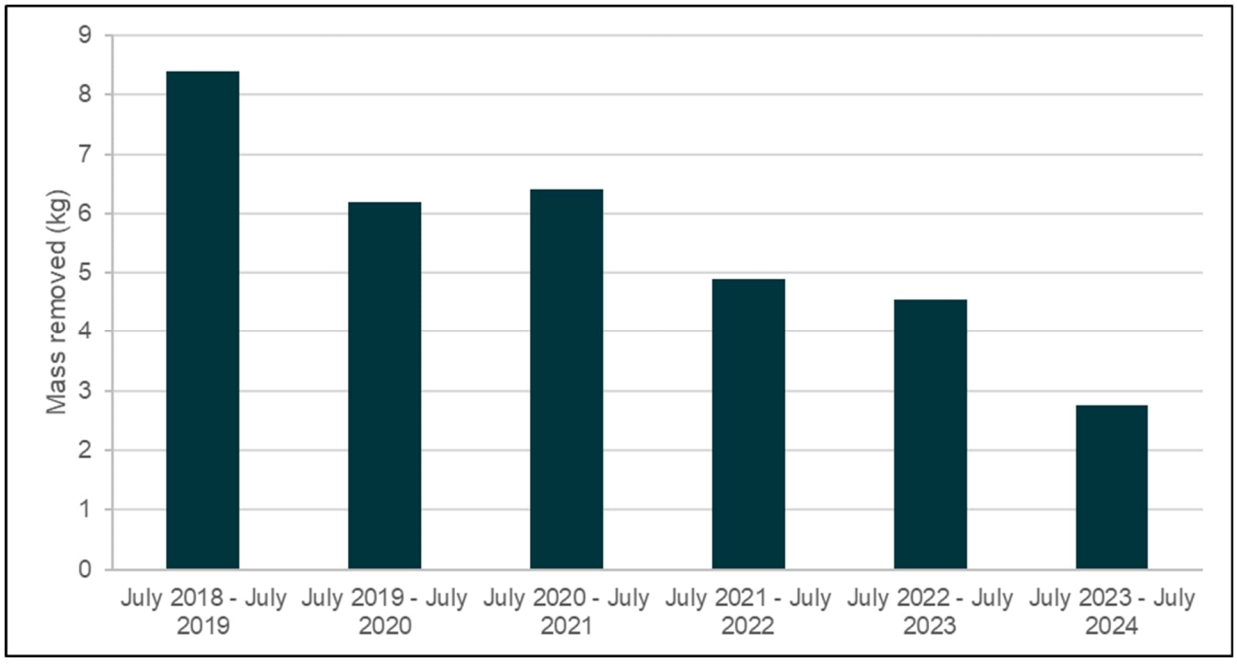

Figure 2 Annual PFAS mass removed by FFTA WTP

6.1.2 Southern Area (SA) WTP project

Defence continued the extraction of groundwater from the Southern Area (area immediately south of Lake Cochran, within the base) using ionic exchange resin treatment technology. Treated water is disposed via irrigation on the base.

The annual average PFAS concentration treated by the SA WTP is provided in **Figure 3** and the PFAS mass removed annually by the SA WTP is provided in **Figure 4**. PFAS concentrations are measured at the inlet of the water treatment plant.

The influent PFAS concentrations have decreased since WTP commencement in 2019, with about 30% decrease in 2023-2024 concentrations when compared to 2019-2020, as shown on **Figure 3**.

The annual PFAS mass removal has reduced from around 4.8 kg between 2019 and 2020 to about 2 kg between 2023 and 2024 is shown on **Figure 4**. The decrease in PFAS concentrations and PFAS mass removal values is supported by groundwater modelling that indicates the majority of the central plume PFAS mass has migrated south beyond the extraction wellfield.

Defence is currently designing and planning for an off-base groundwater extraction wellfield (and associated pipeline) between the southern base boundary and Cabbage Tree Road. The new extraction wellfield would allow treatment of off-base portions of the central plume and would result in the cessation of groundwater extraction from the current extraction wellfield located south of Lake Cochran.

Defence is also planning to trial an in-ground permeable reactive barrier to treat groundwater along the southern boundary of Lake Cochran, upgradient of the current extraction wellfield, to continue remediation of remaining PFAS mass in this area. The design of the trial permeable reactive barrier is expected to commence in 2025.

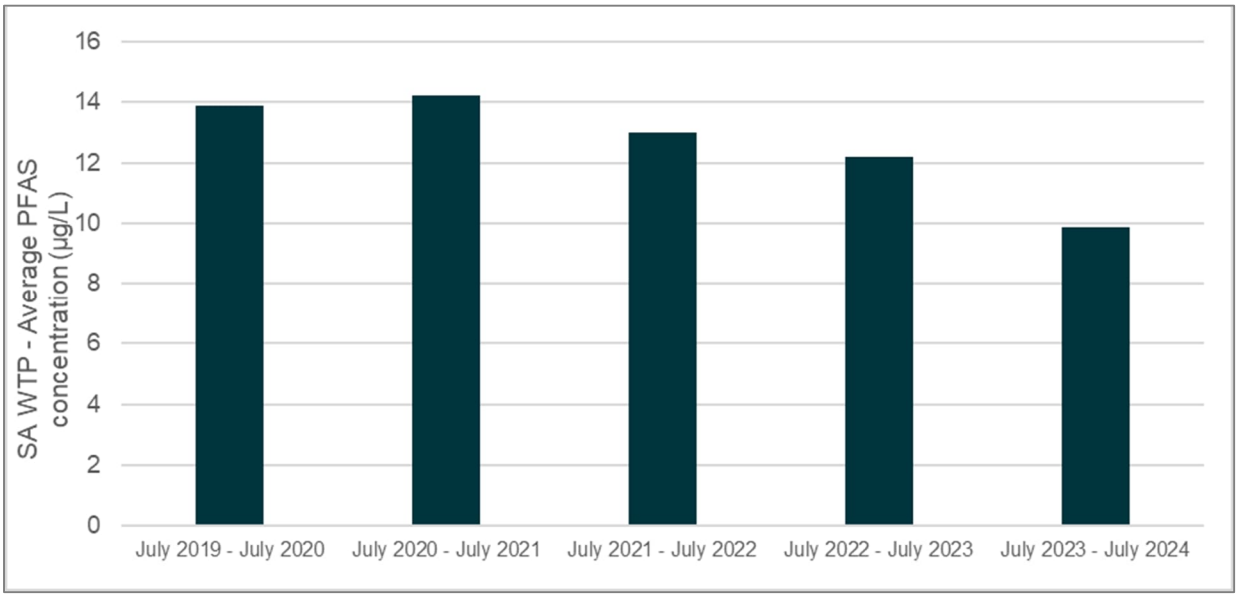

Figure 3 Annual average PFAS concentration treated by SA WTP

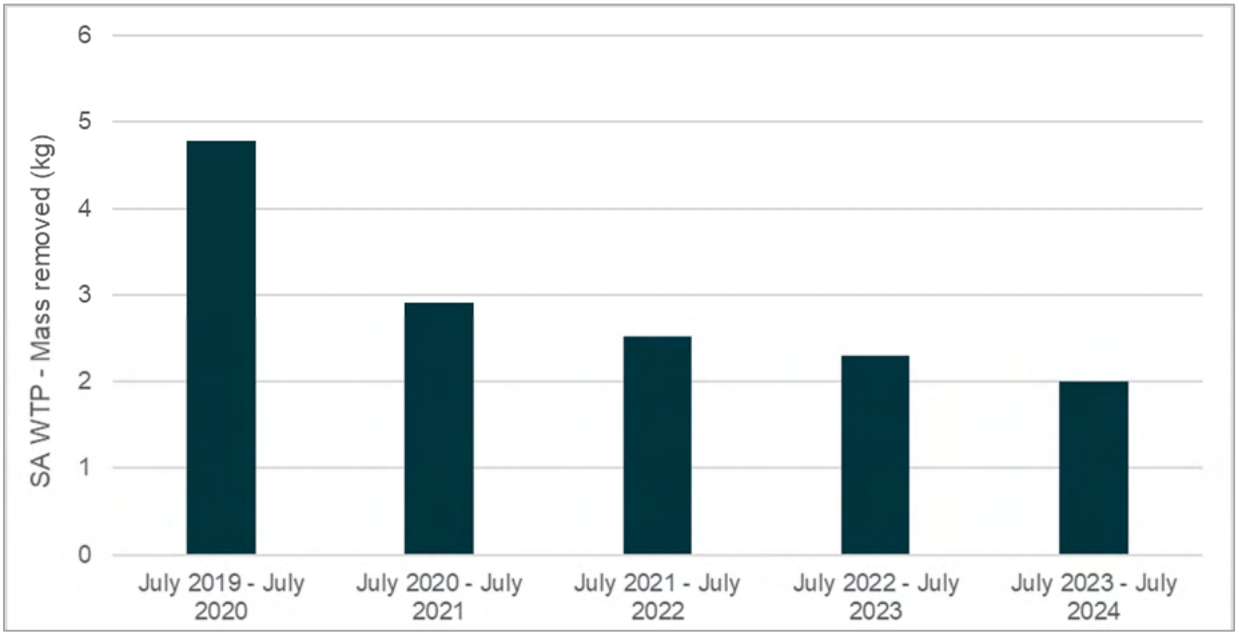

Figure 4 Annual PFAS mass removed by SA WTP

6.1.3 Moors Drain WTP project

Defence continued the treatment of PFAS-impacted stormwater discharging under Medowie Road to the northern branch of Moors Drain, via the Moors Drain WTP (MD WTP). The MD WTP extracts water from a stormwater pit which receives flow from stormwater pipes draining the northern areas of the base. Stormwater is treated using ionic exchange resin technology and treated water is discharged back to Moors Drain approximately 3 m downstream from the stormwater pit extraction point.

Defence is undertaking further characterisation of PFAS impacts and PFAS migration mechanisms in the Eastern Region (i.e. on-base Moors Drain catchment) to optimise MD WTP performance and inform other PFAS management strategies (potentially targeting source areas). A summary of these investigations is outlined in **Section 6.2**.

The annual average PFAS concentration in influent received at MD WTP is shown on **Figure 5**. Given that the WTP influent is derived from stormwater influent, PFAS concentrations may potentially be diluted in the short term by significant rainfall events (refer to **Figure 6**). However influent concentrations have decreased steadily from approximately 5.7 µg/L in 2017-2018 to approximately 2.35 µg/L in 2023-2024, independent of short term rainfall impact.

The annual mass of PFAS removed by the WTP has varied over time, peaking between 2019 and 2021, when the treatment capacity was increased. The PFAS mass removed has reduced from around 0.7 kg between 2020 and 2021 to about 0.4 kg between 2023 and 2024, as shown on **Figure 7**.

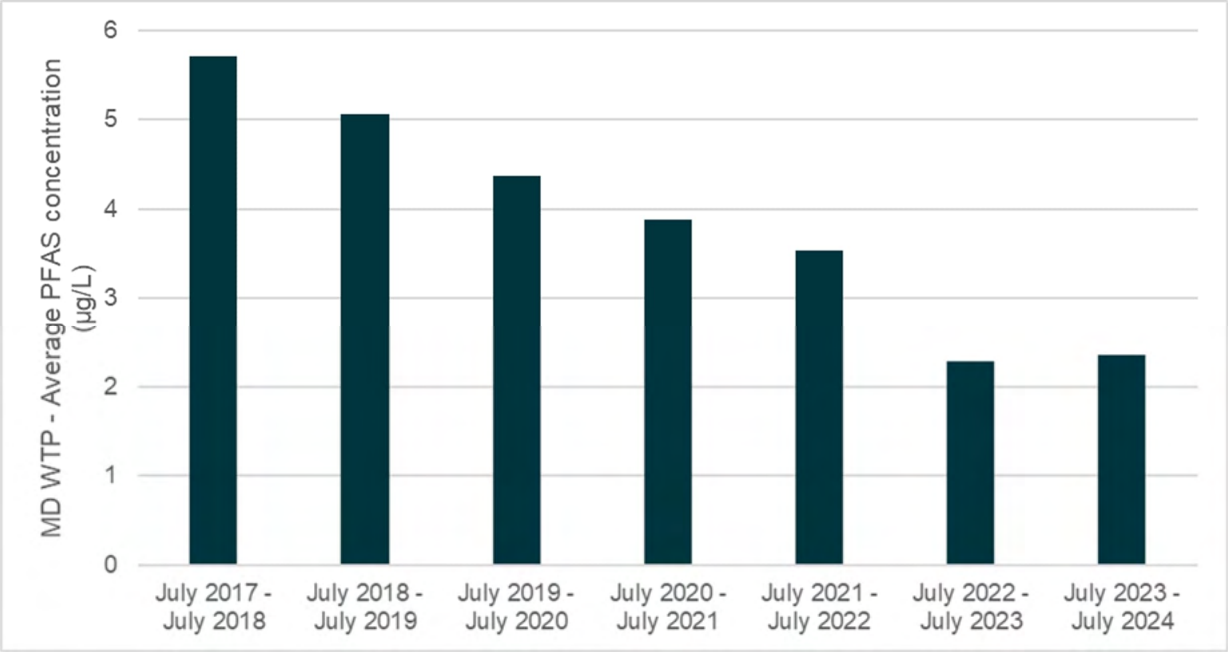

Figure 5 Annual average PFAS concentration treated by MD WTP

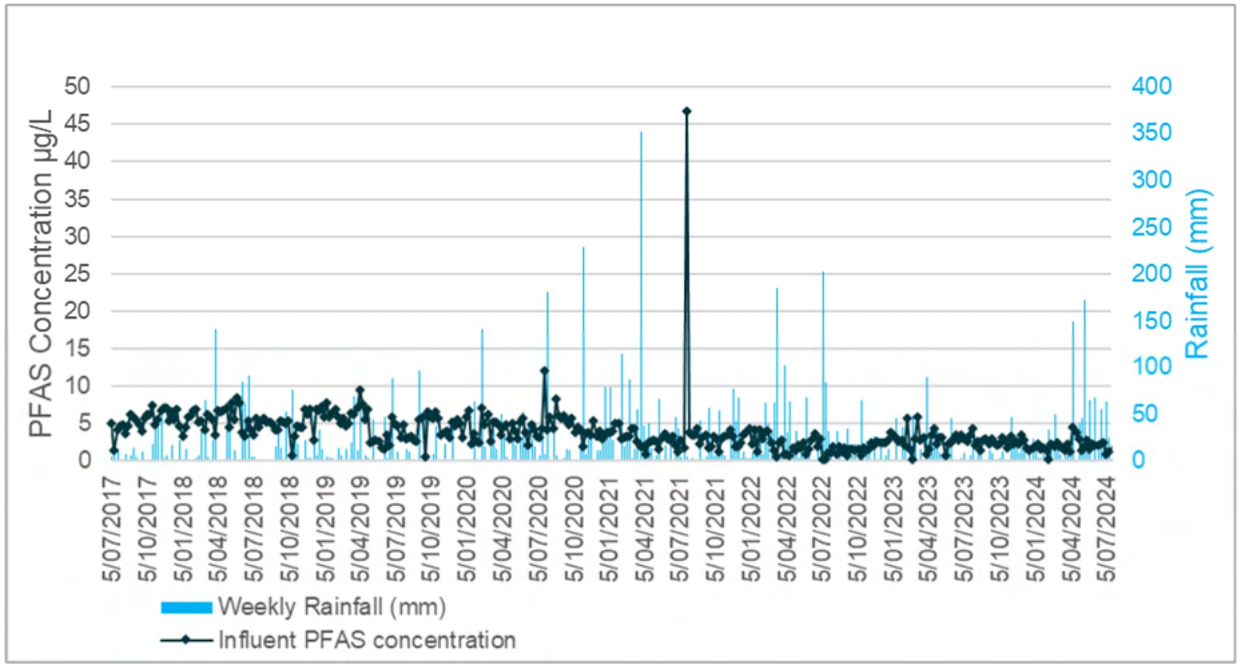

Figure 6 Influent PFAS concentration vs local rainfall (*Source*: ETC2, 2024)

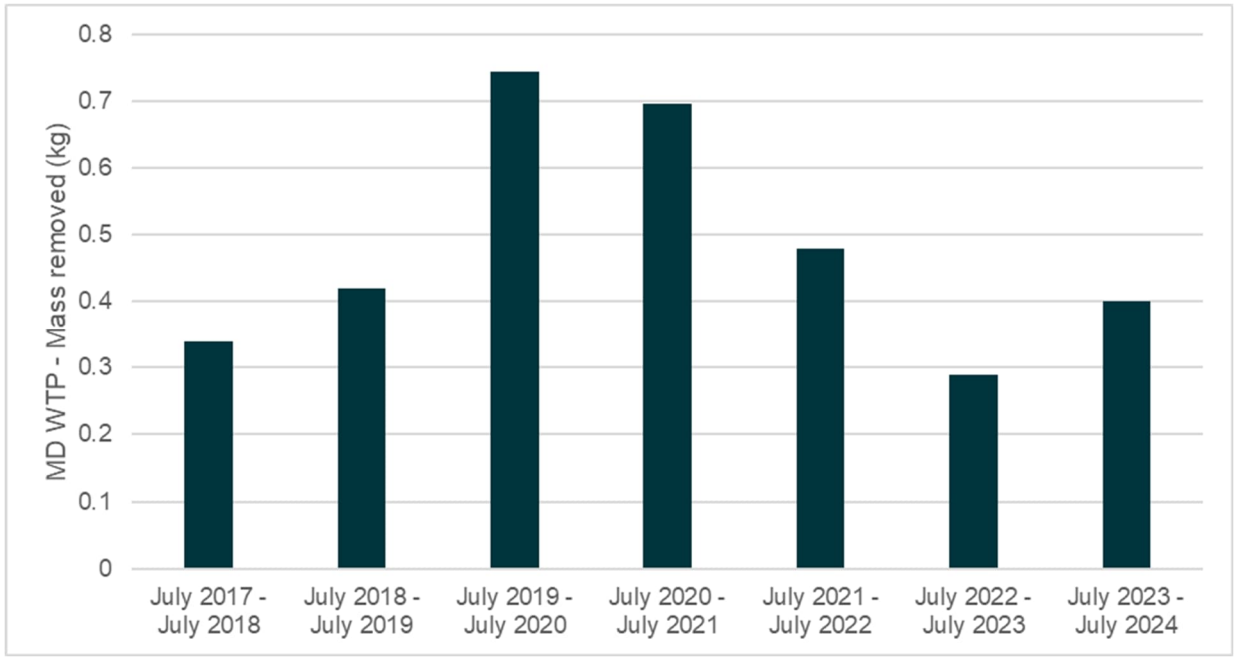

Figure 7 Annual PFAS mass removed by MD WTP

6.1.4 Lake Cochran Passive Barrier System

A trial passive surface water treatment system was installed on the discharge point of Lake Cochran in 2019 to evaluate the feasibility of a passive surface water treatment option for the waterbody. The system consisted of a four stage in-situ design at the Lake Cochran inflow and outflow channels. Each of the stages use coal-based and coconut-based Granular Activated Carbon (GAC) in specific sequence to absorb PFAS and treated water flows to Dawsons Drain.

The trial was delayed due to high rainfall and groundwater levels and was eventually completed in April 2024. The trial was successful under controlled conditions, and ongoing performance will be monitored under the OMP.

6.2 PFAS Characterisation Projects

Data from the following current PFAS characterisation projects have been included in the dataset referenced by this OMR. Where applicable, the data from these projects have been used to update the understanding of the CSM and evaluate changes in the characteristics of the PFAS plume.

6.2.1 Eastern Catchment Study

AECOM undertook two rounds of sampling at 53 surface water locations across the Eastern Region catchment in September and November 2024. The works were initiated as per the recommendations of the Groundwater Strategy Review (GWSR) (Geosyntec, 2022) and updated PMAP (Defence, 2023a) to refine the understanding of PFAS sources and transport mechanisms within the catchment.

The study also includes rain event sampling to be completed in 2025. The findings from the study will be used to optimise PFAS management actions within the Eastern Region, in particular the performance of the MD WTP.

6.2.2 Former and Current Fire Station Data Gap Assessment

Defence is currently reviewing previous investigation and remedial works completed at the Former and Current Fire Station area. The purpose of the review is to identify where data gaps exist, identify constraints, and determine what further remedial actions may be undertaken to manage PFAS sources at this area of the base. Further characterisation works to address data gaps will be completed in 2025. The works were initiated as per the recommendations of the Groundwater Strategy Review (GWSR) (Geosyntec, 2022) and updated PMAP (Defence, 2023a).

6.2.3 Ad Hoc Sampling

AECOM completed ad hoc sampling (i.e. outside of the OMP) of properties within the Management Area during the monitoring period.

6.3 Infrastructure Projects

6.3.1 National Airfield Works (P0008)

Infrastructure works associated with the National Airfield Works (project P0008) commenced in 2022 and continued through the monitoring period. These works involve the delivery of a major aircraft pavement, stormwater drainage and maintenance works. It is understood that the project requires soil management and dewatering as part of runway and stormwater drainage upgrade works.

A large material stockpile associated with the project was established adjacent the northern edge of Lake Cochran in 2022, with standard construction erosion and sediment controls in place. The stockpile is located adjacent to groundwater monitoring locations MW179S and MW179D, and surface water monitoring locations SW108 and SW110 within Lake Cochran. Note that PFAS concentrations in MW179S, MW179D, SW108 and SW110 were either within historical ranges or within an order of magnitude of historical ranges during the monitoring period (refer to Section 7.0 and Section 8.0), indicating that the potential for impact from the stockpiled material at these locations is low.

6.3.2 Stormwater Dewatering Project

Localised dewatering was undertaken as part of stormwater drain network upgrade north of Lake Cochran between 22 August 2023 and 12 January 2024. Over 155 ML of water was removed and directed to Lake Cochran via the inflow drain during dewatering activities.

Surface water monitoring data were collected prior to dewatering commenced (from 5 July 2022), during dewatering activities, and following completion of dewatering activities (until 22 January 2024). Samples were collected at the entry point from the base drain to Lake Cochran, and at the exit of the lake (but still within Lake Cochran) and have been provided by Defence for consideration. However it is noted that the majority of the dataset was reported outside of the monitoring period.

6.3.3 Greater Newcastle Aerotropolis

Land clearing and earthworks associated with the Greater Newcastle Aerotropolis development has continued beyond the southern base boundary south of Lake Cochran. These activities are however not expected to impact the results of the monitoring data.

6.4 Significant Weather Events

During the monitoring period, the Hunter Region experienced higher precipitation than the previous monitoring period as recorded at the BoM monitoring station located at RAAF Base Williamtown (Station ID 061078). The data for the monitoring period is presented in **Figure 8** against historical ranges on record since the weather station commenced operation in 1942.

Included in **Figure 8** is a 6-month Standardised Precipitation Index (SPI), which presents monthly rainfall against the average monthly rainfall as a value, where 1 is average rainfall, and where 2 is twice the average monthly rainfall. This allows for medium term assessment on the rainfall experienced by the area over the monitoring period.

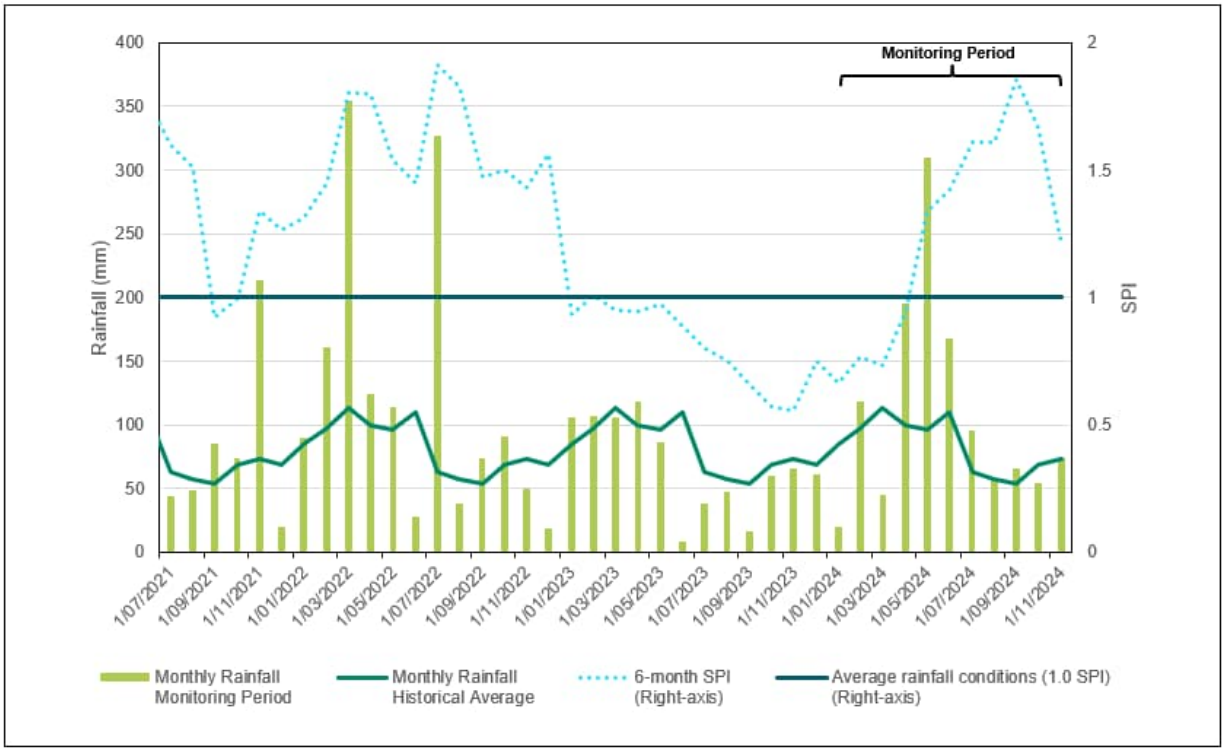

Figure 8 Rainfall data from January 2024 to November 2024. Rainfall data from Williamtown RAAF monitoring station (station 061078) (BoM, 2024)

The rainfall activity during the sampling events over the monitoring period for the BoM monitoring station (Station ID 061078) and the occurrence of wet weather event (days with rainfall >15 mm) are summarised in **Table 8** below.

Table 8 Rainfall during monitoring period

Sampling Event and Dates	Recorded rainfall (mm) (BoM, 2024) for month	Wet weather events immediately prior or during the sampling period (days with rainfall >15 mm)
April 2024 Annual Sampling Event 15 April to 24 April 2024 (main event)	195.4 (April 2024, total)	5 April 2024 (42.8 mm) 6 April 2024 (103.6 mm) 21 April 2024 (23.4 mm)
September 2024 Biannual Sampling Event 19 September to 27 September 2024	65.8 (September 2024, total)	27 September 2024 (24 mm)

From the review it is noted that the area typically experienced above average rainfall in the first half of the monitoring period (i.e. late summer, autumn and winter) with one month in this period (May 2024) experiencing greater than double the historical average rainfall.

The higher-than-average rainfall experienced between April 2024 and August 2024 has the potential to impact upon the interpretation of the data, as follows:

- The increased volume of surface waters being present in the broader catchment has the potential to increase the distribution of PFAS compounds within the surface water bodies. PFAS concentrations may become diluted, report lower than historical concentrations and result in PFAS being detected at greater distances from the source.
- Potential to disperse PFAS to shallow soils via increased surface run off from source areas.
- Potential for increased mixing between shallow groundwater and surface water.
- Increase in groundwater elevation may result in longer contact with impacted soils.

However, it is acknowledged that the Management Area has been subject to multiple significant flood events historically, and PFAS concentrations in stormwater discharges from the base would have been higher when PFAS containing AFFF was regularly being used. As a result, it is unlikely that these flood events have significantly changed the lateral extent of PFAS impacts within the Management Area. The potential impact of rainfall on PFAS impact and migration during the monitoring period is discussed further in **Section 8.0**.

Rainfall between September 2024 and November 2024 was closer to the historical average albeit with minor fluctuations above and below long-term monthly averages.

6.5 Off Base Activities

Whilst ongoing development associated with the Newcastle Airport precinct to the south of the base continued during the monitoring period, there were no changes in residential land use or water usage observed during field activities and /or reported in the off-base monitoring areas during the monitoring period.

7.0 Monitoring Data Summary

As part of the OMP, the following three scheduled monitoring events were completed by AECOM over the monitoring period:

- Biennial biota sampling undertaken in January 2024 (supplementary sampling undertaken on 28 March and 22 April 2024).
- Annual surface water, sediment and groundwater sampling undertaken in April 2024 (15 April 2024 to 9 May 2024, with resampling and additional sampling undertaken on 31 July 2024 and 2 August 2024).
- Biannual surface water, sediment and groundwater sampling undertaken in September 2024 (19 September 2024 to 27 September 2024).

The sample locations are shown on **Figure F2** to **Figure F4** in **Appendix A**. Results are summarised in following sections.

The monitoring activities are summarised in the OMP Sampling Event Reports provided in **Appendix G**. In addition to the OMP data, AECOM also considered the historical data for the base and off-base areas that are available in the Defence database.

7.1 Groundwater Results

7.1.1 Groundwater Field Observations

Groundwater monitoring well condition and field observations at the locations visited are provided in **Table T1** and **Table T2** in **Appendix B** and key observations are summarised below:

April 2024

- MW208 was identified to potentially be blocked based on gauged depth, however a sample was still able to be collected from this location.
- No visible indications of contamination were observed in groundwater during the sampling. Sulphurous like odours were noted at 38 groundwater locations. Organic odours were noted at 17 groundwater locations.

September 2024

- MW106S, MW264D, MW268D, MW897D: wells may have a blockage close to the base of the wells. Note that groundwater was able to be sampled from within the screen interval.
- MW230S, MW278D: well gatic was full of water to above top of casing. The water was removed prior to sampling at each location. Given the J-caps were secure, water ingress into the wells was unlikely, and the groundwater sampled was considered representative.
- No visible signs of contamination in groundwater were noted at the locations sampled. Sulphurous odours were observed at 35 groundwater locations. Organic odours were noted at six groundwater locations (MW128S, MW166, MW167, MW175D, MW178, MW271D).

7.1.2 Groundwater Elevations

The standing water level (SWL) was measured in each monitoring well prior to sampling, and in select monitoring wells during a targeted gauging round conducted during each monitoring event, to evaluate groundwater elevations (GWE). The SWL and GWE from the monitoring period are presented in **Table T1** in **Appendix B** and are summarised below in **Table 9** for shallow/intermediate and deep aquifers.

Table 9 Summary of groundwater elevations

Gauging Event	No. Wells	Min. SWL (mbTOC)	Max. SWL (mbTOC)	Min. GWE (mAHD)	Max. GWE (mAHD)
Shallow/Intermediate aquifer					
April 2024	84	0.000 (MW252S)	3.769 (MW304)	-0.063 (MW128S)	8.180 (MW264S)
September 2024	50	0.120 (MW230S)	2.346 (MW132I)	-0.198 (MW231S)	8.936 (MW264S)
Deep aquifer					
April 2024	58	0.000 (MW231D)	2.904 (MW210D)	0.337 (MW316D)	8.177 (MW264D)
September 2024	35	0.140 (MW231D)	2.351 (MW132D)	0.431 (MW231D)	8.941 (MW264D)

Note: mAHD = metres relative to Australian Height datum, mbTOC = metres below Top of Casing.
Min = Minimum, Max = Maximum

GWEs for both shallow and deep groundwater aquifers were similar between April 2024 and September 2024 events, however fluctuations of up to 0.7 m were reported at some locations, likely due to elevated rainfall reported during the monitoring period (in particular in May 2024). GWEs remained within the historical ranges reported in monitoring periods between 2019 and 2023.

7.1.3 Groundwater Flow Directions

The sampling events were timed to target different rainfall periods, based on historical rainfall data recorded at the BoM weather station (061078) located at the base. In general, historical rainfall data indicates the greatest rainfall occurs in late summer and autumn with the least rainfall occurring in winter and spring. In general, this trend was observed during the monitoring period, noting rainfall significantly above the historical average was observed in late April 2024 to June 2024.

The SWLs measured in groundwater monitoring wells during each event were converted to groundwater elevations (in mAHD). Depth to groundwater measurements are presented in **Table T1** in **Appendix B**. The inferred potentiometric contours for:

- April 2024 sampling event is presented in **Figures F5** (shallow aquifer interval) **Figures F6** (deep aquifer interval), in **Appendix A**.
- The September 2024 sampling event are presented in **Figures F7** (shallow aquifer interval) and **F8** (deep aquifer interval) in **Appendix A**.

The data from the monitoring period indicates that:

- Groundwater on the base, and south and east of the base, flows to the south and southeast towards Fullerton Cove (Tomago Sand Beds Aquifer) and Tilligerry Creek.
- To the south of Ten Foot Drain and Fourteen Foot Drain, groundwater is flowing to the north/northwest (Stockton Sand Beds Aquifer).

The flow directions were consistent across both the shallow and deep groundwater profiles with those measured in 2017 (AECOM, 2017a) and throughout the previous monitoring periods.

On average GWEs for both shallow and deep groundwater were typically within the historic range of measurements at each well location.

Historically a strong correlation between rainfall and groundwater level fluctuation at the base has been observed. Typically, large rainfall events result in a rapid rise in groundwater levels, in excess of 0.8 m, followed by a relatively slow decline. However, above average rainfall received in late April 2024 (213 mm above average), May 2024 (58 mm above average), and June 2024 (33 mm above average) appear to have attenuated by the September 2024 sampling event.

Groundwater flow directions in the Tomago Sand Beds aquifer within the monitored area remained consistent with historical trends, with flow inferred to the south/south-west towards Fullerton Cove in the western portion of base, and southeast towards Tilligerry Creek in the eastern portion of the base. Groundwater flow in the Stockton Sand Beds aquifer, located between Tilligerry Creek and the Newcastle Bight, was inferred in a northwest direction, towards Tilligerry Creek.

7.1.4 Groundwater Quality Parameters

Groundwater quality parameters were measured during the collection of groundwater samples. The stabilised readings of groundwater quality parameters from the monitoring period are presented in **Table T2** in **Appendix B**, and summarised below in **Table 10** for locations on-base and within the management zones.

Table 10 Summary of groundwater quality parameters

Sampling Event	Dissolved Oxygen (mg/L)		Temperature (°C)		Electrical Conductivity (µS/cm)		pH (pH units)		Oxidation-Reduction Potential, corrected (mV)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
On-base										
April 2024	0.34 (MW171D)	5.48 (MW171S)	15.6 (MW155)	24.9 (MW304)	5.0 (MW169S)	1,826 (MW109D)	4.19 (MW340S)	7.02 (MW342D)	48.9 (MW171D)	447.8 (MW886)
September 2024	0.70 (MW108S)	6.70 (MW167)	16.3 (MW340S)	22.7 (MW175D)	43.6 (MW168)	267 (MW172)	4.5 (MW340S)	6.79 (MW342D)	152 (MW344D)	428.4 (MW166)
Primary Management Zone										
April 2024	0.54 (MW278S)	4.34 (MW238S)	16.3 (MW731S)	28.6 (MW126S)	5 (MW731D)	1,921 (MW271S)	4.49 (MW238S)	6.74 (MW731D)	29.7 (MW278D)	443.1 (MW238S)
September 2024	0.36 (MW238D)	3.82 (MW271S)	17.9 (MW278S)	20.8 (MW238D)	169.7 (MW731S)	1,102 (MW238S)	5.39 (MW178)	6.64 (MW278D)	96.1 (MW238S)	291.5 (MW178)
Secondary Management Zone										
April 2024	0.30 (MW150S)	9.30 (MW121)	13.6 (MW132I)	25.7 (MW146S)	66.6 (MW130D)	25,702 (MW147D)	4.47 (MW130S)	7.18 (MW256D)	-2.5 (MW279S)	441.1 (MW829)
September 2024	0.52 (MW130S)	5.54 (MW829)	14.5 (MW107S)	20.6 (multiple)	78.5 (MW146AD)	1,011 (MW279S)	4.6 (MW130S)	6.99 (MW279S)	135.3 (MW279S)	335.7 (MW132I)
Broader Management Zone										
April 2024	0.02 (MW844)	3.32 (POT144)	13.7 (MW159S)	24.3 (MW252S)	68.6 (MW159S)	24,857 (MW316D)	4.86 (MW280S)	7.88 (POT382)	-5.2 (MW163)	342.3 (MW159S)
September 2024	0.35 (MW231S)	5.09 (MW128S)	16.1 (MW280S)	22.4 (POT382)	133.6 (MW280S)	16,477 (MW231D)	5.07 (MW280S)	8.02 (POT382)	47.1 (POT382)	298.2 (MW280S)

The readings presented in **Table 10** indicate groundwater conditions during the monitoring period to be:

- Poor to well oxygenated.
- Fresh to saline.
- Moderately acidic to neutral.
- Mild to moderately reducing conditions.

The water quality parameters reported in each event during the monitoring period were within previous data ranges, with the exception of higher dissolved oxygen and electric conductivity in groundwater at discrete locations on-base, in the Southern Area, Tilligerry Creek, Fourteen Foot Drain and Fullerton Cove Ring Drain.

7.1.5 Groundwater Analytical Results

Groundwater analytical results from the monitoring period as well as available historical groundwater analytical results for OMP sampling locations (including data from other projects) are presented in **Table T5** in **Appendix B**.

Groundwater results for the monitoring period are presented spatially on **Figure F9** to **Figure F12** in **Appendix A**. The interpretive assessment of the groundwater analytical results is discussed in **Section 8.0**.

Additionally, OMP and other historical groundwater concentrations of PFOS+PFHxS and PFOA have been displayed graphically on temporal trend graphs in **Appendix C**, grouped by management zone and areas on the base, for the locations in **Table 11** below.

Table 11 Temporal trend graphs of groundwater locations

Graph ID	Management Zone/Source Area	Groundwater locations
G1, G2	Primary Management Zone	MW126S, MW126D, MW178, MW188S, MW188D, MW238S, MW238D, MW271S, MW271D, MW278S, MW278D, MW731S, MW731D
G3, G4	Secondary Management Zone	MW123, MW132I, MW132D, MW161S, MW161D, MW247S, MW279S
G5, G6	Broader Management Zone	MW118, MW139, MW159S, MW159D, MW232S, MW232D, MW263S, POT144
G7, G8	FFTA	MW108S, MW166, MW167, MW168, MW169S, MW169D, MW172, MW281S, MW282S, MW354S
G9, G10	South of Lake Cochran	MW109D, MW175D, MW466, MW468
G11, G12	Former & Current Fire Station	MW196, MW198, MW200, MW201S, MW202S
G13, G14	Trade Waste Treatment	MW106S, MW106D, MW208, MW210S, MW210D, MW304, MW441, MW886

A summary of groundwater results for the monitoring period is provided in **Table 12** for locations on-and off-base.

Table 12 Summary of PFOA, PFOS and PFOS+PFHxS concentrations in groundwater

Sampling Event	No. of Samples[1]	Compound	Concentration Range (µg/L) in Sampling Event	No. of Samples[1] with Concentration > LOR	No. of Samples[1] with Exceedances of Human Health Criteria	No. of Samples[1] with Exceedances of Ecological Criteria
On-base						
April 2024	49 Primary 6 QC	PFOA	<LOR (multiple) to 4.34 (MW354S)	39	0	0
		PFOS	<LOR (multiple) to 165 (MW329)	48	NA	48
		PFOS+PFHxS	<LOR (MW317D) to 178 (MW329)	54	47	NA
September 2024	24 Primary 2 QC	PFOA	<LOR (multiple) to 1.97 (MW168)	22	4	0
		PFOS	<LOR (MW240D) to 109 (MW281S)	29	NA	29
		PFOS+PFHxS	0.15 (MW240D) to 113 (MW281S)	30	30	NA
Primary Management Zone						
April 2024	17 Primary 4 QC	PFOA	<LOR (multiple) to 0.66 (MW104D)	11	2	0
		PFOS	<LOR (multiple) to 36.4 (MW104D)	14	NA	14
		PFOS+PFHxS	<LOR (multiple) to 42 (MW104D)	15	13	NA
September 2024	11 Primary	PFOA	<LOR (multiple) to 0.9 (MW731S)	3	2	0
		PFOS	<LOR (multiple) to 20.5 (MW731S)	4	NA	4
		PFOS+PFHxS	<LOR (multiple) to 26.8 (MW731S)	5	4	NA
Secondary Management Zone						
April 2024	42 Primary 15 QC	PFOA	<LOR (multiple) to 0.04 (multiple)	6	0	0
		PFOS	<LOR (multiple) to 1.87 (MW146AD)	27	NA	27
		PFOS+PFHxS	<LOR (multiple) to 4.3 (MW279S)	35	19	NA
September 2024	18 Primary 2 QC	PFOA	<LOR (multiple) to 0.03 (MW279S)	2	0	0
		PFOS	<LOR (multiple) to 1.07 (MW132D)	10	NA	10

Sampling Event	No. of Samples[1]	Compound	Concentration Range (µg/L) in Sampling Event	No. of Samples[1] with Concentration > LOR	No. of Samples[1] with Exceedances of Human Health Criteria	No. of Samples[1] with Exceedances of Ecological Criteria
		PFOS+PFHxS	<LOR (multiple) to 1.41 (MW279S)	13	8	NA
Broader Management Zone						
April 2024	21 Primary 4 QC	PFOA	<LOR (multiple) to 0.01 (multiple)	3	0	0
		PFOS	<LOR (multiple) to 0.63 (MW252S)	7	NA	7
		PFOS+PFHxS	<LOR (multiple) to 1.1 (MW252S)	7	3	NA
September 2024	10 Primary	PFOA	<LOR (multiple)	0	0	0
		PFOS	<LOR (multiple) to 0.02 (MW231S)	1	NA	1
		PFOS+PFHxS	<LOR (multiple) to 0.02 (MW231S)	1	0	NA
Other (West of Base)						
April 2024	2 Primary	PFOA	<LOR (multiple)	0	0	0
		PFOS	<LOR (multiple)	0	NA	0
		PFOS+PFHxS	<LOR (multiple)	0	0	NA
September 2024	2 Primary 2 QC	PFOA	<LOR (multiple)	0	0	0
		PFOS	<LOR (multiple)	0	NA	0
		PFOS+PFHxS	<LOR (multiple)	0	0	NA
Other (Background)						
April 2024	2 Primary	PFOA	<LOR (multiple)	0	0	0
		PFOS	<LOR (multiple)	0	NA	0
		PFOS+PFHxS	<LOR (multiple)	0	0	NA
September 2024	2 Primary 4 QC	PFOA	<LOR (multiple)	0	0	0
		PFOS	<LOR (multiple)	0	NA	0
		PFOS+PFHxS	<LOR (multiple)	0	0	NA

Notes:

[1] = Sample counts include intra-laboratory and inter-laboratory duplicates

multiple = the value applies to multiple locations

NA = Not applicable – where there are no applicable Human Health screening criteria for PFOS, and no applicable Ecological screening criteria for the Sum of PFOS and PFHxS.

QC = Quality Control (sample)

Human health criteria relates to recreational criteria for locations on the base and both drinking water and recreational criteria for locations within the Management Area.

Deviations from the historical dataset for groundwater recorded during the monitoring period are summarised in **Table E1** in **Appendix E**, and in **Table 13** below.

Table 13 Groundwater deviations

Deviation Type	Analyte	Area	Location ID
First-time detections	PFOA	On-base	MW201D, MW340D, MW344D
		Secondary Management Zone	MW146AD
	PFOS	Primary Management Zone	MW271D
		Secondary Management Zone	MW257S
		Broader Management Zone	MW270D
	PFOS+ PFHxS	Secondary Management Zone	MW257S
		Broader Management Zone	MW270D
New exceedances of drinking water guidelines	PFOA	Primary Management Zone	MW731S, MW731D
	PFOS+ PFHxS	Broader Management Zone	MW270S
New exceedances of recreational water guidelines	PFOS+ PFHxS	On-base	MW201D
		Secondary Management Zone	MW146AD
New exceedances of ecological guidelines (freshwater 99%)	PFOS	Primary Management Zone	MW271D
		Secondary Management Zone	MW257S
		Broader Management Zone	MW270D
New Maximums	PFOA	On-base	MW108D, MW134I, MW168, MW201D, MW304, MW340D, MW344D
		Primary Management Zone	MW731S, MW731D
		Secondary Management Zone	MW146AD, MW160, MW318D
		Broader Management Zone	MW270S
	PFOS	On-base	MW106S, MW134I, MW179S, MW201D, MW245S, MW304, MW340D, MW344D, MW886
		Primary Management Zone	MW271D, MW731S, MW731D
		Secondary Management Zone	MW125D, MW132D, MW146AD, MW146S, MW257S, MW318D, MW897S
		Broader Management Zone	MW159D, MW159S, MW270D, MW844
	PFOS+ PFHxS	On-base	MW134I, MW172, MW179S, MW201D, MW304, MW340D, MW342D, MW344D, MW886
		Primary Management Zone	MW271D, MW731S, MW731D
		Secondary Management Zone	MW146AD, MW146S, MW257S, MW318D, MW897S
		Broader Management Zone	MW270D, MW270S
New Minimums	PFOA	On-base	MW329, MW340S, MW344S, MW354S, MW886

Deviation Type	Analyte	Area	Location ID
		Secondary Management Zone	MW150D, MW161S, MW897S, MW897S
		Broader Management Zone	MW252S
	PFOS	On-base	MW329, MW340D, MW342D, MW344D
		Secondary Management Zone	MW123, MW150S, MW150D, MW161S, MW161D, MW247S, MW897D
		Broader Management Zone	MW252S
	PFOS+ PFHxS	On-base	MW109D, MW169S, MW169D, MW201S, MW281S, MW329, MW340S, MW342D
		Primary Management Zone	MW184S
		Secondary Management Zone	MW105S, MW150D, MW247S, MW897D
		Broader Management Zone	MW252S

7.2 Surface Water Results

The location of key surface water features and pathways, as well as PFAS sources, are presented on **Figure F1** in **Appendix A** and surface water sample locations are shown on **Figure F3** in **Appendix A**.

As noted in **Section 6.4** above-average rainfall was recorded in the first half of the monitoring period, including three days where rainfall exceeded 20 mm in a 24-hour period. Additionally, 103.6 mm of rainfall was reported in 24 hours on 6 April 2024. While no direct observations were reported on this date, it is inferred that low-lying areas of the base and drainage network were temporarily inundated.

7.2.1 Surface Water Field Observations

Surface water field observations from the monitoring period are presented in **Table T3** in **Appendix B** and key observations are summarised below.

April 2024

- No odours were noted, with the exception of SW005 and SW014 which had sulphurous odours, and SW019 and SW600 which had organic odours.
- No visible signs of contamination were observed at the locations sampled.
- Water flows were observed at most locations (with the exception of SW588, located on-base which was dry) with water depths varying between 0.1 m deep (at SW011) and 1m deep at multiple off-base locations. The water observed in the surface water bodies appeared to be a result of rainfall prior to sampling being undertaken. The recorded depths at each location are included with the descriptions in **Table T3**, **Appendix B**.

September 2024

- Organic odours were noted at seven surface water locations (SW001, SW011, SW047, SW055, SW079, SW081 and SW259).
- No visible signs of contamination were observed at the locations sampled.
- Water flows were observed at most locations with the recorded depths shallower than those in the April 2024 sampling event. The observations are provided in **Table T3**, **Appendix B**.

7.2.2 Surface Water Quality Parameters

Surface water quality parameters were measured during the collection of surface water samples. The surface water quality parameters for each event during the monitoring period are presented in **Table T3** in **Appendix B**, and summarised below in **Table 14** for locations on-base and within the management zones.

Table 14 Summary of surface water quality parameters

Sampling Event	Dissolved Oxygen (mg/L)		Temperature (°C)		Electrical Conductivity (µS/cm)		pH (pH units)		Oxidation-Reduction Potential, corrected (mV)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
On-base										
April 2024	2.90 (SW055)	10.28 (SW048)	21.0 (SW055)	28.3 (SW047)	65.2 (SW108)	174.9 (SW110)	5.76 (SW582)	6.53 (SW108)	222.6 (SW048)	272.7 (SW110)
September 2024	2.27 (SW588)	7.18 (SW048)	18.6 (SW055)	27.6 (SW048)	98.1 (SW048)	192.6 (SW588)	5.42 (SW047)	6.82 (SW108)	191.0 (SW588)	377.8 (SW047)
Primary Management Zone										
April 2024	2.71 (SW060)	4.21 (SW333)	21.0 (SW333)	21.5 (SW060)	177.5 (SW333)	1,476 (SW060)	4.21 (SW333)	5.59 (SW060)	271.9 (SW060)	488.3 (SW333)
September 2024	2.05 (SW060)	4.32 (SW333)	18.3 (SW333)	19.6 (SW060)	173.1 (SW060)	192.6 (SW333)	5.69 (SW060)	5.97 (SW333)	276.5 (SW333)	311.7 (SW060)
Secondary Management Zone										
April 2024	2.64 (multiple)	8.14 (SW007)	21.5 (SW019)	25.0 (SW001)	129.3 (SW009)	2,372 (SW023)	4.45 (SW059)	7.46 (SW023)	112.0 (SW600)	485.1 (SW059)
September 2024	4.16 (SW006)	6.87 (SW019)	15.2 (SW011)	25.8 (SW059)	129.5 (SW007)	3,382 (SW600)	5.94 (SW011)	7.96 (SW019)	229.6 (SW600)	358.5 (SW001)
Broader Management Zone										
April 2024	1.44 (SW079)	5.15 (SW024)	18.3 (SW259)	23.1 (SW062)	1,488.0 (SW014)	11,173 (SW024)	5.84 (SW014)	7.05 (SW024)	191.1 (SW062)	485.9 (SW259)
September 2024	1.80 (SW079)	6.08 (SW005)	15.3 (SW014)	21.7 (SW081)	178.5 (SW014)	15,035 (SW259)	6.00 (SW014)	7.32 (SW062)	142.8 (SW079)	344.3 (SW005)

The readings presented in **Table 14** indicate:

- Generally oxygenated conditions.
- Generally fresh, with some brackish water (over 1,500 µS/cm) or saline conditions noted in off-base locations.
- Acidic to near neutral conditions.
- Oxidising to moderately reducing conditions.
- Temperature ranges are considered consistent with background conditions for the time of year of the sampling being conducted in each event.

7.2.3 Surface Water Analytical Results

Surface water analytical results from the monitoring period as well as the available historical surface water analytical results for OMP sampling locations (including data from other projects) are presented in **Table T6** in **Appendix B**.

Surface water results for each event during the monitoring period are presented spatially on **Figure F13** to **Figure F16** in **Appendix A**. The interpretive assessment of the surface water analytical results by region is discussed in **Section 8.0**.

Additionally, OMP and other historical surface water concentrations of PFOS+PFHxS and PFOA have been displayed graphically on temporal trend graphs in **Appendix C**, grouped by catchment/area of interest, for the locations in **Table 15** below.

Table 15 Temporal trend graphs of surface water locations

Graph ID	Catchment /Area of interest	Surface Water locations
15, 16	Lake Cochran and On-base Drains	SW047, SW048, SW108, SW110
17, 18	Dawsons Drain	SW055, SW059, SW060, SW333
19, 20	Fourteen Foot and Ten Foot Drains and Fullerton Ring Drain	SW062, SW081, SW259, SW600
21, 22	Moors Drain	SW001, SW005, SW006, SW007, SW009, SW014
23, 24	Tilligerry Creek	SW019, SW023, SW024, SW079

A summary of surface water results for each event during the monitoring period are provided in **Table 16** for locations on-base and within the management zones.

Table 16 Summary of PFOA, PFOS and PFOS+PFHxS concentrations in surface water

Sampling Event	No. of Samples[1]	Compound	Concentration Range (µg/L) in Sampling Event	No. of Samples[1] with Concentration > LOR	No. of Samples[1] with Exceedances of Human Health Criteria	No. of Samples[1] with Exceedances of Ecological Criteria
On-base						
April 2024	6 Primary	PFOA	0.04 (SW055) to 0.07 (SW047)	6	0	0
		PFOS	0.56 (multiple) to 4.54 (SW047)	6	NA	6
		PFOS+PFHxS	1.13 (SW048) to 5.62 (SW047)	6	4	NA
September 2024	7 Primary	PFOA	0.03 (SW588) to 0.11 (SW108)	7	0	0
		PFOS	0.76 (SW055) to 7.44 (SW108)	7	NA	7
		PFOS+PFHxS	1.78 (SW048) to 8.4 (SW108)	7	5	NA
Primary Management Zone						
April 2024	2 Primary	PFOA	0.04 (SW333) to 0.49 (SW060)	2	0	0
		PFOS	0.37 (SW333) to 9.73 (SW060)	2	NA	2
		PFOS+PFHxS	1.47 (SW333) to 20.1 (SW060)	2	1	NA
September 2024	2 Primary 2 QC	PFOA	0.07 (SW333) to 0.85 (SW060)	4	0	0
		PFOS	0.81 (SW333) to 21 (SW060)	4	NA	4
		PFOS+PFHxS	1.75 (SW333) to 32 (SW060)	4	3	NA
Secondary Management Zone						
April 2024	9 Primary 2 QC	PFOA	<LOR (multiple) to 0.16 (SW007)	8	0	0
		PFOS	0.05 (SW023) to 13 (SW007)	11	NA	11
		PFOS+PFHxS	0.13 (SW023) to 14.6 (SW007)	11	4	NA
September 2024	9 Primary 4 QC	PFOA	<LOR (multiple) to 0.11 (SW059)	11	0	0
		PFOS	0.14 (SW019) to 4.85 (SW007)	13	NA	13
		PFOS+PFHxS	0.25 (SW023) to 5.55 (SW007)	13	9	NA

Sampling Event	No. of Samples[1]	Compound	Concentration Range (µg/L) in Sampling Event	No. of Samples[1] with Concentration > LOR	No. of Samples[1] with Exceedances of Human Health Criteria	No. of Samples[1] with Exceedances of Ecological Criteria
Broader Management Zone						
April 2024	7 Primary 2 QC	PFOA	<LOR (multiple) to 0.03 (SW062)	7	0	0
		PFOS	0.05 (multiple) to 1.23 (SW014)	9	NA	9
		PFOS+PFHxS	0.09 (SW024) to 1.55 (SW014)	9	0	NA
September 2024	7 Primary	PFOA	<LOR (multiple) to 0.06 (SW259)	4	0	0
		PFOS	0.02 (SW081) to 1.04 (SW259)	7	NA	7
		PFOS+PFHxS	0.02 (SW081) to 1.68 (SW259)	7	0	NA

Notes:

[1] = Sample counts include intra-laboratory and inter-laboratory duplicates

multiple = the value applies to multiple locations

NA = Not applicable – where there are no applicable Human Health screening criteria for PFOS, and no applicable Ecological screening criteria for the Sum of PFOS and PFHxS.

QC = Quality Control (sample)

Deviations from the historical dataset for surface water recorded during the monitoring period are presented in **Table E2** in **Appendix E** and summarised in **Table 17** below.

Table 17 Surface water deviations

Deviation Type	Analyte	Area	Location ID	Number of Deviations
First-time detections - nil				
New exceedances of recreational water guidelines - nil				
New exceedances of ecological guidelines (freshwater 99%) - nil				
New Maximum	PFOA	Secondary Management Zone	SW600	1
	PFOS	On-base	SW048	1
		Secondary Management Zone	SW600	1
	PFOS+PFHxS	On-base	SW048	1
		Secondary Management Zone	SW600	2
		Broader Management Zone	SW081	1
New Minimum	PFOA	Primary Management Zone	SW333	1
	PFOS	Primary Management Zone	SW333	1
	PFOS+PFHxS	Primary Management Zone	SW333	1

7.3 Sediment Results

7.3.1 Sediment Field Observations

Sediment field observations from the monitoring period are presented in **Table T4** in **Appendix B**.

The sediment observations during the monitoring period varied between sand/silt/clayey sand and trace gravels which were light brown to dark brown, black or grey, and generally included organic matter in the form of rootlets and/or algae and/or leaves.

7.3.2 Sediment Analytical Results

Sediment analytical results from the monitoring period as well as the available historical sediment analytical results for OMP sampling locations (including data from other projects) are presented in **Table T7** in **Appendix B**.

Sediment results for each event during the monitoring period are presented spatially on **Figure F17** to **Figure F20** in **Appendix A.** The interpretive assessment of the sediment analytical results is discussed in **Section 8.0**.

Additionally, OMP and other historical PFOS+PFHxS and PFOA concentrations for sediment are displayed graphically on temporal trend graphs in **Appendix C**, grouped by catchment/area of interest, for the locations in Table 18 below.

Table 18 Temporal trend graphs for sediment concentrations by catchment / area of interest

Graph ID	Catchment /Area of interest	Sediment locations
G25, G26	Lake Cochran and on-base drains	SD047, SD048, SD108, SD110
G27, G28	Dawsons Drain	SD055, SD059, SD060, SD333
G29, G30	Fourteen Foot and Ten Foot Drains, Fullerton Cove Ring Drain and Tidal Gate Outlet	SD062, SD081, SD259, SD600
G31, G32	Moors Drain	SD001, SD005, SD006, SD007, SD009, SD011, SD014
G33, G34	Tilligerry Creek	SD019, SD023, SD024, SD079

A summary of sediment results for each event during the monitoring period are provided in Table 19 for locations on-base and within the management zones.

Deviations from the historical dataset for sediment are summarised in **Table E3** in **Appendix E**.

Table 19 Summary of PFOA, PFOS and PFOS+PFHxS concentrations in sediment

Sampling Event	No. of Samples[1]	Compound	Concentration Range (mg/kg) in Sampling Event	No. of Samples[1] with Concentration > LOR
On-base				
April 2024	5 Primary	PFOA	<LOR (multiple) to 0.0012 (SD108)	1
		PFOS	0.0056 (SD048) to 0.271 (SD108)	5
		PFOS+PFHxS	0.0066 (SD048) to 0.29 (SD108)	5
September 2024	5 Primary	PFOA	<LOR (multiple) to 0.0014 (SD110)	2
		PFOS	0.0028 (SD055) to 0.427 (SD110)	5
		PFOS+PFHxS	0.0033 (SD055) to 0.438 (SD110)	5
Primary Management Area				
April 2024	2 Primary	PFOA	0.0012 (multiple)	2
		PFOS	0.0404 (SD060) to 0.123 (SD333)	2
		PFOS+PFHxS	0.0576 (SD060) to 0.148 (SD333)	2
September 2024	2 Primary, 2 QC	PFOA	<LOR (SD333) to 0.0012 (SD060)	3
		PFOS	0.0167 (SD333) to 0.205 (SD060)	4
		PFOS+PFHxS	0.0186 (SD333) to 0.226 (SD060)	4
Secondary Management Zone				
April 2024	9 Primary, 2 QC	PFOA	<LOR (multiple) to 0.0007 (SD006)	4
		PFOS	0.0053 (SD019) to 0.391 (SD006)	11
		PFOS+PFHxS	0.0053 (SD019) to 0.403 (SD006)	11
September 2024	9 Primary, 4 QC	PFOA	<LOR (multiple) to 0.0006 (multiple)	3
		PFOS	0.0003 (SD059) to 0.532 (SD006)	13
		PFOS+PFHxS	0.0003 (SD059) to 0.552 (SD006)	13
Broader Management Zone				
April 2024	7 Primary, 2 QC	PFOA	<LOR (multiple) to 0.0052 (SD024)	2
		PFOS	0.0004 (SD259) to 0.0627 (SD024)	9
		PFOS+PFHxS	0.0004 (SD259) to 0.0657 (SD024)	9
September 2024	7 Primary	PFOA	<LOR (multiple) to 0.0003 (SD024)	1
		PFOS	0.0004 (SD014) to 0.0318 (SD259)	7
		PFOS+PFHxS	0.0004 (SD014) to 0.0535 (SD259)	7

Other (Fullerton Cove tidal gate outlet)				
April 2024	3 Primary	PFOA	<LOR (multiple) to 0.0005 (SD254)	1
		PFOS	0.0109 (SD255) to 0.0229 (SD254)	3
		PFOS+PFHxS	0.0109 (SD255) to 0.0247 (SD254)	3
September 2024	3 Primary	PFOA	<LOR (SD254) to 0.0005 (SD255)	2
		PFOS	0.0078 (SD254) to 0.0366 (SD255)	3
		PFOS+PFHxS	0.0078 (SD254) to 0.038 (SD255)	3

Notes:

[1] = Sample counts include intra-laboratory and inter-laboratory duplicates

multiple = the value applies to multiple locations

QC = Quality Control (sample)

Deviations from the historical dataset for sediment, recorded during the monitoring period are presented in **Table E3** in **Appendix E**, and summarised in **Table 20** below.

Table 20 Sediment deviations

Deviation Type	Analyte	Area	Location ID	Number of Deviations
First-time detection	PFOA	Primary Management Zone	SD333	1
		Secondary Management Zone	SD600	1
	PFOS	Primary Management Zone	SD333	1
	PFOS+ PFHxS	Primary Management Zone	SD333	1
New Maximum	PFOA	Primary Management Zone	SD333	1
		Secondary Management Zone	SD600	2
		Broader Management Zone	SD024	1
	PFOS	Primary Management Zone	SD333	1
		Secondary Management Zone	SD001, SD023, SD600	3
		Broader Management Zone	SD259	1
	PFOS+ PFHxS	Primary Management Zone	SD333	1
		Secondary Management Zone	SD001	1
		Broader Management Zone	SD259	1
New Minimum	PFOA	Primary Management Zone	SD333	2
	PFOS	Primary Management Zone	SD333	2
		Secondary Management Zone	SD600	1
	PFOS+ PFHxS	Primary Management Zone	SD333	2
		Secondary Management Zone	SD600	1
		Broader Management Zone	SD259	1

Note: * SD333 was sampled for the first time in the monitoring period, commencing during the April 2024 sampling event, as such there is no historical dataset for this location. The detections and exceedances were flagged as first-time detections and new minimums/maximums.

7.4 Aquatic Biota Results

Aquatic biota analytical results from the monitoring period as well as the available historical aquatic biota analytical results are presented in **Table T8** in **Appendix B**.

The monitoring activities are provided in the biota sampling event report (AECOM, 2024c) in **Appendix G**, and a summary of the results from the 2024 event is provided in **Table 21** for each species. The interpretive assessment of the aquatic biota analytical results is discussed in **Section 8.5**.

Table 21 Summary of PFOA, PFOS and PFHxS concentrations in aquatic biota

Analyte	Number of samples analysed	Number of detections	Minimum concentration (mg/kg)	Maximum concentration (mg/kg)
Dusky Flathead (*Platycephalus fuscus*)				
PFOS	4	4	0.0054	0.010
PFHxS	4	1	<0.0001	0.0002
PFOA	4	0	<0.0001	<0.0001
Luderick (*Girella tricuspidata*)				
PFOS	4	4	0.0036	0.0042
PFHxS	4	0	<0.0001	<0.0001
PFOA	4	0	<0.0001	<0.0001
School Prawn (*Metapenaeus macleayi*)				
PFOS	4	4	0.0048	0.012
PFHxS	4	4	0.0015	0.0017
PFOA	4	4	0.00031	0.00037

A summary of the PFAS concentrations detected in the tissue samples are as follows:

- PFOS was detected in all biota composite samples with concentrations ranging between 0.0036 mg/kg and 0.012 mg/kg.
- The PFOS concentrations in the four dusky flathead composite samples analysed were above the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years). PFHxS was reported in one dusky flathead composite sample (0.00017 mg/kg), however the concentration was an order of magnitude below the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years).
- The PFOS concentrations in the four luderick composite samples analysed were below the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years).
- The PFOS concentrations in the four school prawn composite samples analysed were below the FSANZ (2017) crustacean trigger value of 0.065 mg/kg (for children aged between two and six years).
- PFHxS was detected for the first time at a concentration above the laboratory limit of reporting (LOR) in dusky flathead. The reported concentration of PFHxS (0.0002 mg/kg) was below the FSANZ (2017) finfish trigger of 0.0052 mg/kg.
- PFHxS and PFOA were also reported in the composite samples collected from the school prawn with concentrations ranging between 0.0015 and 0.0017 mg/kg for PFHxS and between 0.00031 to 0.00037 mg/kg for PFOA, which were all below the adopted FSANZ (2017) crustacean trigger value.

The concentrations of PFAS were reported within the historical range (for samples collected between 2016 and 2022) for the respective sentinel species analysed with the exception of the first-time detection of PFHxS in dusky flathead. It is noted that the concentration of 0.0002 mg/kg reported during the current monitoring period is below the historical laboratory LOR of 0.0005 mg/kg, which suggests

that this compound was likely present at trace concentrations during historical sampling events, however they were below the laboratories limit of reporting at the time.

No other PFAS were detected at concentrations above the laboratory LORs in the luderick and dusky flathead composite samples analysed. Trace concentrations of PFNA, PFDA, PFPeS, PFHpS and N-MeFOSAA were reported in the school prawn composite samples above the laboratory LOR, however there are currently no screening criteria for these compounds.

The water quality parameters at the time of sampling are summarised in AECOM (2024e) (in **Appendix G**).

7.5 Non-OMP data

Groundwater, surface water and soil/sediment samples were collected in association with PFAS characterisation projects or ad-hoc sampling at properties within Management Area as summarised in Table 23 to Table 22, below.

Table 22 Summary of non-OMP sampling – Surface Water

Sampling Project (date)	Locations sampled	Compound	Concentration range (µg/L) (location)
Eastern Region (2 baseline events) (Sep 2024 – Nov 2024)	34	PFOS+PFHxS	0.03 – 55.4 (SW637, November 2024)
		PFOA	<0.01 – 0.59 (SW637, November 2024)

Table 23 Summary of non-OMP sampling – Groundwater

Sampling Project	Locations sampled	Compound	Concentration range (µg/L) (location)
Management Area (November 2024)	9	PFOS+PFHxS	<0.002
		PFOA	<0.002

Table 24 Summary of non-OMP sampling – Soil

Sampling Project (date)	Locations sampled	Compound	Concentration range (mg/kg) (location)
Management Area (November 2024)	9	PFOS+PFHxS	<0.0002 – 0.0006
		PFOA	<0.0001 - <0.0002

8.0 Interpretive Analysis

8.1 Overview

Key changes observed during the monitoring period with respect to the OMR objectives (**Section 1.1**), OMP Triggers (**Section 8.6**), and general plume characteristics are provided in the following sections. The key changes in PFAS results are presented in **Figures F21** to **Figure F23** (in **Appendix A**).

The current inferred PFAS plume is presented on **Figure F24** (in **Appendix A**).

8.1.1 Groundwater Temporal Trend Analysis

Mann Kendall analysis was used to assess trends in groundwater PFAS concentrations at representative on-base source areas, and off-base management zones (as presented in **Table 11**, in **Section 7.1.5**). The analysis is used to determine whether temporal datasets have a monotonic upward or downward trend. The significance of these trends is determined by the confidence factor, or *p* value, of the analysis, as follows.

- a confidence factor over 95% indicates that there is an ‘increasing’ or ‘decreasing’ trend.
- a confidence factor over 90% indicates the there is a ‘probably increasing’ or ‘probably decreasing’ trend.
- a confidence factor less than 90% indicates ‘stable’ or ‘no change’.

Trend analysis was only undertaken for locations which were sampled in the monitoring period, and for locations at which PFAS were consistently reported greater than the LOR. The data used in this analysis was sourced from up to the last 40 concentrations reported for each sample location. Where sample results were less than the LOR, half the LOR[1] was adopted for the Mann Kendall analysis.

It is noted that the significance of calculated trends may be overstated where outliers and results close to the LOR are included in the dataset of interest. These potential limitations to trend analysis have been considered during assessment of the trend data.

Where appropriate, temporal graphs and Mann Kendall analysis for PFOS+PFHxS and PFOA concentrations are discussed in the following sections.

8.1.2 Surface Water and Sediment Temporal Trend Analysis

An assessment of temporal trends for PFOS+PFHxS and PFOA concentrations in surface water and sediment has been undertaken for select monitoring locations representative of on-base sources and off-base management areas of interest (as presented in **Table 15** and **Table 18**, in **Section 7.3.2**).

Note that Mann Kendall analysis was not used to assess the trends in PFAS concentrations in surface water and sediment, given that variables such as rainfall, which influence PFAS concentrations, are not factored into the analysis.

The 30-day average daily rainfall total (in mm) has been included on the temporal trend graphs to allow for assessment of the influence of rainfall on PFAS concentrations.

Continued monitoring will provide a greater temporal dataset and enable more refined assessment of whether any actual increasing trends represent defined contamination migration pathways from source areas, or merely fluctuation in concentrations.

Where appropriate, temporal trends for PFOS+PFHxS and PFOA concentrations are discussed in the following sections.

8.2 Western Region

PFAS concentrations at the former FFTA footprint (MW166, MW167 and MW168) continued to decrease in the monitoring period following the excavation of PFAS impacted soil in 2018, and ongoing treatment of groundwater (2018 to present). PFOA and PFOS+PFHxS concentrations in the monitoring period were up to one order of magnitude lower than concentrations reported prior to remediation

[1] Where multiple LOR thresholds were present for a sample location, the average of half the LOR values was used.

works. The northern extent of the groundwater plume, in the vicinity of the FFTA, now appears to be disconnecting from the source area.

PFAS concentrations in groundwater wells to the west and southwest of the western region plume (off-base locations MW107S/D, MW280S and MW315S) remained similar or decreased indicating plume extent is relatively stable in these directions.

Notwithstanding, PFAS concentrations at the eastern edge of the plume (MW172), and south of the plume (MW108S) continued to demonstrate increasing trends, indicative of the plume core's continued southerly migration from the FFTA. This southerly migration is further evidenced by first time detections of PFOA in the deep groundwater unit at MW340D and MW344D on the southern base boundary.

MW340D and MW344D are located within the new Western Region extraction wellfield where Defence plans to commence groundwater extraction and treatment in 2025. This is an action from the updated PMAP (Defence, 2023a) with the aim of reducing PFAS mass flux across the boundary (refer to **Section 6.1.1**).

Future monitoring, both via the OMP and the western region wellfield-specific operational monitoring, will provide further information on mass reduction of the plume in this area.

Refer to **Graph G7** and **Graph G8** (in **Appendix C**) and the relevant Mann Kendall analysis (in **Appendix C**) and **Table 25** below.

Table 25 Summary of trend analysis: FFTA

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW108S	PFOA	< LOR – 0.58	0.01 – 0.02	*No Trend*	78.6%
	PFOS+PFHxS	< LOR – 6.89	2.2 – 2.95	Probably Increasing	91.2%
MW166	PFOA	0.02 – 0.4	0.02	*Decreasing*	*95.2%*
	PFOS+PFHxS	7.58 – 126.2	12.2 – 12.4	Decreasing	>99.9%
MW167	PFOA	< LOR – 6.85	0.05 – 0.10	Decreasing	>99.9%
	PFOS+PFHxS	2.75 – 563.00	25.4 – 28.1	Decreasing	>99.9%
MW168	PFOA	< LOR – 1.30	0.26 – 1.97	No Trend	50.8%
	PFOS+PFHxS	3.53 – 94.43	4.86 – 28.6	Decreasing	>99.9%
MW169D	PFOA	< LOR – 0.13	< LOR	*Decreasing*	99.4%
	PFOS+PFHxS	0.09 – 8.32	0.06 – 0.18	Decreasing	99.9%
MW169S	PFOA	< LOR – 0.08	< LOR	*Decreasing*	*99.9%*
	PFOS+PFHxS	0.18 – 1.06	0.16 – 0.32	Decreasing	99.9%
MW172	PFOA	< LOR – 0.14	0.02 – 0.08	*Increasing*	>99.9%
	PFOS+PFHxS	< LOR – 2.03	0.72 – 4.31	Increasing	>99.9%
MW281S	PFOA	1.67 – 8.75	0.71 – 1.43	Decreasing	>99.9%
	PFOS+PFHxS	51.00 – 283.00	26.8 – 113.00	Decreasing	99.8%
MW282S	PFOA	< LOR – 3.41	0.1 – 0.31	No trend	88.6%
	PFOS+PFHxS	0.11 – 70.7	2.7 – 3.12	Probably Decreasing	95%
MW354S	PFOA	3.21 – 5.77	1.72 – 4.34	Stable	59.2%
	PFOS+PFHxS	40.6 – 120	42.1 – 81.8	Stable	59.2%

Note:
Only one result is reported in the Min-Max Range where the values are the same.
Italics: indicate low confidence in the Mann Kendall trend analysis given concentrations are within 1 to 2 orders of magnitude of the LOR.

8.3 Central Region

An assessment of PFAS impacts within the Central Region is provided by source area (on-base) and management zone (off-base) in the following sections.

8.3.1 On-base: Former and Current Fire Station

Groundwater

PFAS concentrations in groundwater at, and downgradient of, the Former and Current Fire Station continued to reduce during this monitoring period. The continued decreasing trends were observed at MW196 (on the western edge of the former and Current Fire Station) and MW201S and MW202S (downgradient of Former and Current Fire Station) following the completion of targeted soil remediation works in 2020 and indicative of the core of the plume associated with this source area continuing to migrate south.

Refer to **Graph G11** and **Graph G12** and the relevant Mann Kendall analysis (in **Appendix C** and **Table 26** below).

Table 26 Summary of trend analysis: Former and Current Fire Station

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW196	PFOA	0.05 – 0.68	0.11	*Decreasing*	98.1%
	PFOS+PFHxS	4.08 – 47.5	11.6	Decreasing	97.9%
MW198	PFOA	0.02 – 0.59	0.1	*No Trend*	98.6%
	PFOS+PFHxS	0.71 – 24.45	4.9	No Trend	75.5%
MW200	PFOA	< LOR – 0.01	< LOR	Not assessed*	
	PFOS+PFHxS	0.14 – 0.59	0.47	*No Trend*	72.9%
MW201S	PFOA	0.02 – 0.35	0.01	*No Trend*	52.7%
	PFOS+PFHxS	1.56 – 24.90	1.24	Probably Decreasing	90.2%
MW202S	PFOA	< LOR – 0.03	0.01	*Stable*	85.3%
	PFOS+PFHxS	0.20 – 2.45	0.87	Decreasing	95.2%

Note:
Only one result is reported in the Min-Max Range where the values are the same.
Italics: indicate low confidence in the Mann Kendall trend analysis given concentrations are within 1 to 2 orders of magnitude of the LOR.
* Insufficient sample numbers (less than four results over LOR) at this location to allow for statistical assessment.

8.3.2 On-Base: South of Lake Cochran

Groundwater

PFAS concentrations in shallow groundwater south of Lake Cochran generally continued to demonstrate stable or decreasing trends. However, increasing trends for both PFOA and PFOS+PFHxS were reported in deep well MW175D to the south of Lake Cochran, and may be associated with this well's proximity to the discharge point of Lake Cochran. Although an increasing trend is reported, the PFOA and PFOS+PFHxS concentrations have remained within the same order of magnitude since 2019.

Defence is planning to trial a groundwater permeable barrier south of Lake Cochran to intercept residual PFAS impacts migrating in groundwater at this portion of the base. This is an action from the updated PMAP (Defence, 2023a) and aims to reduce PFAS mass flux from the base.

Refer to **Graph G9** and **Graph G10** and the relevant Mann Kendall analysis (in **Appendix C** and **Table 27** below).

Table 27 Summary of trend analysis: South of Lake Cochran

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW109D	PFOA	0.01 – 0.89	0.01 – 0.10	Stable	73.5%
	PFOS+PFHxS	1.53 – 56.7	1.27 – 8.38	Probably Decreasing	93.0%
MW175D	PFOA	< LOR – 0.20	0.10 – 0.11	*Increasing*	99.9%
	PFOS+PFHxS	0.04 – 10.40	4.73 – 5.80	Increasing	99.8%
MW466*	PFOA	< LOR – 1.33	0.12 – 0.18	Stable	73.4%
	PFOS+PFHxS	1.79 – 42.3	6.80 – 19.00	Decreasing	97.9%
MW468	PFOA	< LOR – 0.79	0.11 – 0.27	*Decreasing*	95.8%
	PFOS+PFHxS	1.92 – 53.6	8.34 – 15.70	Decreasing	98.3%

Note:
Italics: indicate low confidence in the Mann Kendall trend analysis given concentrations are within 1 to 2 orders of magnitude of the LOR.
* Mann Kendall Analysis is based on 40 data points from 2016 to 2023, excluding data from 2014.

Surface Water and Sediment

PFAS concentrations in surface water and sediment were measured at four surface water drains associated with Lake Cochran as follows:

- Northern inflow drain to Lake Cochran (SW047/SD047 and SW108/SD108).
- Outflow drain from Lake Cochran to Dawsons Drain (SW110/SD110).
- Northwestern drain that bypasses Lake Cochran and connects to the Lake Cochran outflow drain (SW048/SD048).

PFAS concentrations were typically stable within historical ranges at these locations. However, concentrations appear to be increasing in surface water and sediment since 2018 at:

- SW048: (PFOA and PFOS+PFHxS).
- SD048: (PFOS+PFHxS, though concentrations have generally remained below 0.01 mg/kg).
- SD110 (PFOS+PFHxS).

Although, the concentrations may be increasing, there is however fluctuations in concentrations which require further data to confirm whether there is an increasing trend.

Temporal data are presented on **Graph G15** and **Graph G16** (surface water) and **Graph 25** and **Graph 26** (sediment) in **Appendix C**.

8.3.3 Primary Management Zone

Groundwater

South from Lake Cochran, within the Primary Management Zone, PFAS concentrations to the east and west of the plume appear to be stable (including some locations reported <LOR) or have no trend indicating the lateral extents of the plume are well defined. However, the plume core continued to migrate south towards Cabbage Tree Road as evidenced by:

- Continued increasing PFOS+PFHxS trends in groundwater at the toe of the plume (southern front) at MW126S, MW178, MW271S and MW731S.
- The first-time detection of PFOS in the deep groundwater unit at MW271D, and new exceedances of PFOA drinking water criterion in both shallow and deep groundwater at MW731S and MW731D.

Note that the southerly movement and extents of the plume are supported by the groundwater modelling (Watershed Hydrogeo, 2024), and therefore the above impacts observed during the monitoring period are not unexpected.

Defence is currently planning for the implementation of the off-base groundwater extraction wellfield between the southern base boundary and Cabbage Tree Road to mitigate PFAS mass flux from this area to the Primary Management Zone.

Refer to **Graph G1** and **Graph G2** and the relevant Mann Kendall analysis (in **Appendix C**) and **Table 28** below.

Table 28 Summary of trend analysis: Primary Management Zone

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW126S	PFOA	0.04 – 0.68	0.17 – 0.28	*Probably increasing*	*93.6%*
	PFOS+PFHxS	0.49 – 23.00	6.63 – 10.3	Increasing	97.7%
MW126D	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.50	< LOR – 0.01	*No Trend*	*70.3%*
MW178	PFOA	< LOR – 0.01	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.44	0.15 – 0.27	*Increasing*	*>99.9%*
MW188S	PFOA	< LOR – 0.09	0.01	*No Trend*	*85.9%*
	PFOS+PFHxS	0.02 – 3.80	0.25	No Trend	84.0%
MW188D	PFOA	0.05 – 0.25	0.19	*No Trend*	64.0%
	PFOS + PFHxS	0.79 – 8.52	5.29	No Trend	86.2%
MW238S	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR	< LOR	Not assessed*	
MW238D	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR	< LOR	Not assessed*	
MW271S	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.08	0.03 – 0.13	*Increasing*	*98.2%*
MW271D	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.05	< LOR – 0.05	Not assessed*	
MW278S	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.02	< LOR	Not assessed*	

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW278D	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.05	< LOR	Not assessed*	
MW731S	PFOA	0.3 – 0.36	0.59 – 0.90	*Increasing*	95.8%
	PFOS+PFHxS	21.6 – 22.10	25.00 – 26.80	Increasing	95.8%
MW731D	PFOA	0.16	0.58 – 0.61	Not assessed*	
	PFOS+PFHxS	5.22	20.9 – 23.5	Not assessed*	

Note:

Only one result is reported in the Min-Max Range where the values are the same.

Italics: indicate low confidence in the Mann Kendall trend analysis given concentrations are within 1 to 2 orders of magnitude of the LOR.

* Insufficient sample numbers (less than four results over LOR) at this location to allow for statistical assessment.

Surface Water and Sediment

Groundwater migrating from the base to the Primary Management Zone is known to up well into surface water drains providing a significant migration pathway for PFAS-impacted groundwater in the area. Groundwater impacted by the central region plume is known to discharge to Leary's Drain which feeds to Fourteen Foot Drain and eventually Fullerton Cove. To a lesser extent, PFAS-impacted groundwater associated with the western region plume is inferred to upwell along the length of Dawsons Drain, which also drains to Fullerton Cove.

PFOA and PFOS+PFHxS concentrations along Leary's Drain (SW060/SD060) and Dawsons Drain (SW055/SD055, SW059/SD059 and SW333/SD333) historically show considerable fluctuations over time coinciding with rainfall, and no consistent trends are evident in the datasets.

PFAS concentrations in surface water at Leary's Drain remained approximately an order of magnitude higher than Dawsons Drain during the monitoring period, which is due to upwelling of the central region plume into Leary's Drain. This is the dominant PFAS migration pathway in the Primary Management Zone.

Temporal trend graphs for surface water (**Graph G17** and **Graph G18)** and sediment (**Graph G27** and **Graph G28)** are presented in **Appendix C**.

8.3.4 Secondary Management Zone and Broader Management Zone (South)

Groundwater

PFAS concentrations in groundwater within the Secondary Management Zone, south of the Primary Management Zone, remained stable (including <LOR) or had no trend, indicating the relative stability of the plume extent. A first-time exceedance of the drinking water criteria was reported at MW270S in the southern Broader Management Zone in September 2024. However, PFAS impacts have historically been present at this area during the OMP and previous investigations and do not indicate recent southern migration of the plume.

At MW146AD, a first-time detection of PFOA, and a first-time exceedance of the recreational criteria for PFOS+PFHxS, was reported in Apil 2024. However, results at this location in September 2024 were reports less than LOR. MW146AD is located at the boundary of the Primary Management Zone and Secondary Management Zone and may be influenced by the southerly migration of the central region plume. Additional monitoring will confirm if any consistent trends are apparent at this location.

Surface Water and Sediment

PFAS concentrations in surface water and sediment at Fourteen Foot Drain, Ten Foot Drains and Fullerton Cove Ring Drain continued to fluctuate over time with no consistent trends identified in the datasets. The results reaffirm, alongside groundwater trend data, that the plume in the southern extent of the Secondary Management Zone is stable.

Apparent increasing trends were identified for PFOA and PFOS+PFHxS in sediment at SD600 (within Fourteen Foot Drain) however, the dataset is currently limited to five data points noting monitoring commenced at this location in 2022. Further monitoring is required to assess whether this is an actual increasing trend or just ongoing variability in concentrations.

Temporal trend graphs for surface water (**Graphs G19** and **G20**), and sediment (**Graphs G29** and **G30**) are presented in **Appendix C**).

8.4 Eastern Region

8.4.1 On-base: Trade Waste Treatment

Groundwater

Decreasing, 'probably decreasing' and 'stable' trends continued to be demonstrated in groundwater at and downgradient of the TWT during the monitoring period. The findings indicate PFAS mass in groundwater is reducing at the TWT area, likely due to a reduction in PFAS mass entering the TWT from base operational areas (e.g. apron areas) following the base-wide transition to Ansulite from legacy AFFF products and targeted PFAS source removal activities in the Former and Current Fire Station area.

As noted in **Section 6.2**, Defence is currently undertaking further characterisation of potential PFAS sources and migration mechanisms in the Eastern Region which includes the TWT area. The outcomes of the study will serve to refine current operations at the MD WTP and inform further source removal and management actions, where appropriate.

Refer to **Graph G13** and **Graph G14** and the relevant Mann Kendall analysis (in **Appendix C** and **Table 28** below).

Table 29 Summary of trend analysis: Trade Waste Treatment

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW106S	PFOA	< LOR – 0.02	< LOR – 0.01	*No trend*	78.1%
	PFOS+PFHxS	0.03 – 0.71	0.19 – 0.28	*Stable*	*67.3%*
MW106D	PFOA	< LOR – 0.66	< LOR – 0.06	*Probably Decreasing*	*94.2%*
	PFOS+PFHxS	0.51 – 4.21	0.27 – 2.35	Stable	74.5%
MW208	PFOA	0.09 – 0.92	0.18 – 0.24	*No Trend*	70.1%
	PFOS+PFHxS	8.11 – 29.2	26.4	No Trend	59.6%
MW210S	PFOA	0.03 – 0.19	0.08	*Probably Decreasing*	94.2%
	PFOS+PFHxS	1.32 – 20.6	15.5	Probably Decreasing	90.2%
MW210D	PFOA	< LOR – 0.02	< LOR	Not assessed*	
	PFOS+PFHxS	0.01 – 0.5	0.02	*Decreasing*	100%
MW304	PFOA	0.08 – 0.18	0.33	*No Trend*	62.5%
	PFOS+PFHxS	15 – 26.9	44.40	No Trend	83.3%
MW441	PFOA	0.43 – 2.10	0.02	Probably Decreasing	91.1%
	PFOS+PFHxS	6.80 – 225.20	10.30	Stable	54.8%
MW886	PFOA	0.28 – 0.55	0.20	Not assessed*	

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
	PFOS+PFHxS	50.40 – 63.30	68.00	Not assessed*	

Note:

Only one result is reported in the Min-Max Range where the values are the same.

Italics: indicate low confidence in the Mann Kendall trend analysis given concentrations are within 1 to 2 orders of magnitude of the LOR.

* Insufficient sample numbers (less than four results over LOR) at this location to allow for statistical assessment.

Surface Water and Sediment

Previous investigations have determined that groundwater periodically infiltrates the underground portions of the stormwater network providing a direct migration pathway to the surface water environment in Moors Drain.

PFAS impacts at SW001 (base stormwater outflow to the northern branch of Moors Drain) continued to demonstrate a decreasing trend evident since 2021 indicating the MD WTP (located upstream on-base) continues to reduce PFAS impacts in surface water flowing off-base. Impacts in sediment at SD001 continue to demonstrate 'no trend' likely due to the effects of rainfall and ongoing erosion/deposition regimes within the drain.

In contrast, sampling locations SW582 and SW588, located upstream within the eastern region stormwater network continued to demonstrate 'stable' trends indicating PFAS inputs from upstream in the stormwater catchment area remain unchanged.

As noted in **Section 6.2.1**, Defence is currently undertaking further characterisation of PFAS sources and impacts to surface water and groundwater within the Eastern Region of the Base. The study will allow optimisation of MD WTP treatment regime and inform further remedial actions, including source management.

8.4.2 Secondary Management Zone (East)

Groundwater

Groundwater impacts in the Secondary Management Zone to the east of the base are primarily related to the infiltration of PFAS-impacted surface water from Moors Drain into groundwater.

Overall, PFAS concentrations in the area remain stable, with 'decreasing' or 'probably decreasing' trends were identified at several locations proximate to Moors Drain, and closer to the base. These trends suggest that the PFAS plume in this area is unlikely to be expanding.

Continued operation of the MD WTP and further supplementary investigation currently in progress to refine data gaps and improve source management actions on base (refer to **Section 6.2.1**) are anticipated to continue reducing PFAS mass discharge from the Eastern Region to Moors Drain, and therefore to groundwater east of the base.

Refer to **Graph G3** and **Graph G4** and the relevant Mann Kendall analysis (in **Appendix C** and **Table 30** below).

Table 30 Summary of trend analysis: Secondary Management Zone

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW123	PFOA	< LOR – 0.04	< LOR – 0.01	*Probably Decreasing*	90.8%
	PFOS+PFHxS	0.10 – 1.93	0.14 – 0.56	Stable	84.8%
MW132I	PFOA	< LOR – 0.02	< LOR	Not assessed*	
	PFOS+PFHxS	0.05 – 1.29	0.23 – 0.26	Decreasing	98.0%
MW132D	PFOA	0.01 – 0.1	0.01 – 0.02	*No Trend*	53.6%
	PFOS+PFHxS	0.07 – 2.33	1.17 – 1.33	No Trend	84.7%
MW161S	PFOA	0.03 – 0.08	< LOR	*Probably Decreasing*	92.9%
	PFOS+PFHxS	2.56 – 4.60	< LOR	Probably Decreasing	91.1%
MW161D	PFOA	< LOR – 0.14	< LOR	*Stable*	88.7%
	PFOS+PFHxS	0.13 – 5.58	< LOR	Probably Decreasing	91.1%
MW247S	PFOA	< LOR – 0.09	< LOR – 0.01	*Decreasing*	99.8%
	PFOS+PFHxS	0.31 – 2.31	0.17 – 1.09	Decreasing	96.8%
MW279S	PFOA	0.01 – 113.00	0.03 – 0.04	No Trend	63.9%
	PFOS+PFHxS	0.71 – 70.30	1.41 – 4.3	No Trend	57.1%

Note:
Only one result is reported in the Min-Max Range where the values are the same.
Italics: indicate low confidence in the Mann Kendall trend analysis given concentrations are within 1 to 2 orders of magnitude of the LOR.
* Insufficient sample numbers (less than four results over LOR) at this location to allow for statistical assessment.

Surface Water and Sediment

PFAS concentrations in Moors Drain (presented in **Graph G21** and **Graph G22**, respectively in **Appendix C**) have fluctuated over time with no consistent trends observed. The results from this monitoring period remained within the historical ranges and no trends were apparent.

PFAS concentrations in Moors Drain continue to fluctuate however appear stable and within historical ranges (presented in **Graph G31** and **Graph G32** in **Appendix C**). It is noted that surface water and sediment PFAS impacts are more susceptible to fluctuation due to variable environmental conditions than groundwater and the lack of trends in these media do not preclude the trends observed in groundwater outlined above.

Notwithstanding, a potential increasing PFOS+PFHxS trend may be present at SD006 in the short-term, however further monitoring is required to assess whether a definitive increasing trend is apparent.

8.4.3 Broader Management Zone (East)

Groundwater

PFAS has typically not been detected in groundwater in the Broader Management Zone east of the base. With the exception of one detection of PFHxS at MW159S, PFAS were not detected above the LOR during the monitoring period in this management zone. Accordingly, trends in historical PFAS concentrations could not statistically assessed and therefore are generally considered ‘stable’ below the LOR.

These results are expected given that the Broader Management Zone (including the Salt Ash area) is outside the known extent of the groundwater plume.

Refer to **Graph G5** and **Graph G6** (in **Appendix C**).

Table 31 Summary of trend analysis: Broader Management Zone

Location ID	Analyte	Historical Range	OMP Events (Current Period)	Mann Kendall Analysis	
		Min – Max (µg/L)	Min – Max (µg/L)	Trend	Confidence Factor
MW118	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR	< LOR	Not assessed*	
MW139	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR	< LOR	Not assessed*	
MW159S	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.03	< LOR – 0.02	Not assessed*	
MW159D	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR	< LOR	Not assessed*	
MW232S	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR	< LOR	Not assessed*	
MW232D	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.18	< LOR	Not assessed*	
POT144	PFOA	< LOR	< LOR	Not assessed*	
	PFOS+PFHxS	< LOR – 0.05	< LOR	Not assessed*	

Note:

Only one result is reported in the Min-Max Range where the values are the same.

* Insufficient sample numbers (less than four results over LOR) at this location to allow for statistical assessment.

Surface Water and Sediment

PFAS concentrations in surface water and sediment within Tilligerry Creek remained within the historical ranges during this monitoring period. No consistent trends have been identified in the dataset to date. Surface water data are presented in **Graphs G23** and **G24**, and sediment data presented in **Graphs G34** and **G35** of **Appendix C**.

8.5 Aquatic Biota Results

Aquatic biota sampling was undertaken between 24 January 2024 and 22 April 2024 to target sentinel species in Fullerton Cove that have been identified to accumulate elevated concentrations of PFAS relative to other species.

As summarised in **Section 7.4**, concentrations of PFOS were detected in the biota composite samples, ranging from 0.0036 mg/kg (in Luderick) to 0.012 mg/kg (in School Prawn). The composite samples for Dusky Flathead exceeded the FSANZ 2017 2-6 years Finfish trigger value for PFOS. There were no exceedances of the FSANZ 2017 2-6 Crustaceans for school prawn samples.

PFOS analytical concentrations reported in Luderick, Dusky Flathead and School Prawn collected during the monitoring period were compared to the historical PFOS concentrations reported in the same species between February 2016 and January 2020 in **Table 32**, **Table 33** and **Table 34**.

Note that the aquatic biota data between 2016 and 2017 are in the 2016 Human Health Risk Assessment (HHRA) (AECOM, 2016) and 2017 HHRA (AECOM, 2017b). The 2016 HHRA included aquatic biota samples that were collected and analysed by the NSW Department of Primary Industries (NSW DPI) between September 2015 and March 2016.

The data has been separated to show comparisons to Fullerton Cove only data, and data collected from Fullerton Cove, Raymond Terrace, Tomago, Stockton and Hunter River Port (all locations).

A review of the 2024 and historical PFOS concentrations in aquatic biota caught in Fullerton Cove and surrounding areas, indicated:

- The mean PFOS concentration (0.0074 mg/kg) for dusky flathead in 2024 was above the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years). The mean PFOS concentration reported in 2024 is an order of magnitude less than the mean PFOS level reported in 2022 and 2021. The concentrations of PFOS reported in the 2024 sampling event is below the 2016 DPI mean PFOS concentration (0.023 mg/kg) (AECOM, 2017b), which was used to inform the 2017 HHRA.
- The mean PFOS concentration (0.00375 mg/kg) for luderick in 2024 was below the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years) and consistent with historical concentration ranges. The mean PFOS concentration in 2024 is an order of magnitude lower than the 2016 DPI mean PFOS concentration (0.011 mg/kg) (AECOM, 2017b), which was used to inform the 2017 HHRA.
- The mean PFOS concentration (0.0066 mg/kg) for school prawn in 2024 was below the FSANZ (2017) crustacean (all species) trigger value of 0.065 mg/kg (for children aged between two and six years), and an order of magnitude lower than the mean in 2019.
- Concentrations of PFOS in sampled dusky flathead and luderick have decreased when compared to 2016 data.
- Concentrations of PFOS in sampled school prawn have fluctuated between 2016 and 2022, with the highest concentrations reported in 2021, however still below the FSANZ (2017) crustacean (all species) trigger value (for children aged between two and six years).

Based on the above, the overall conclusions of the 2017 HHRA (AECOM, 2017b) for the off-base area does not require reconsideration.

AECOM concludes that the following conclusions made in the 2017 HHRA (AECOM, 2017b) still apply:

- *“Consumption of low to moderate quantities of locally sourced seafood (including finfish, crabs and prawns) gave rise to low and acceptable risk for residents of the Williamtown Area. There further analysis of biota at that time was not required to inform the HHRA.*
- *Consumption of high quantities of locally sourced finfish was identified as an exposure pathway with potentially elevated or unacceptable risks”*

Table 32 PFOS concentrations (mg/kg) in Dusky flathead

Statistic	Fullerton Cove (Jan-Apr 2024) (*n* = 4)	Fullerton Cove (Feb 2022) (*n* = 4)	Fullerton Cove (Feb 2021) (*n* = 4)	Fullerton Cove (Jan 2020) (*n* = 4)	Fullerton Cove (Jan 2019) (*n* = 4)	Fullerton Cove Only (Dec 2016 – Mar 2017*) (*n* = 12)	All Locations** (Dec 2016 – Mar 2017*) (*n* = 37)	Fullerton Cove only*** (Feb 2016) (*n* = 4)
Maximum (mg/kg)	0.01	0.014	0.011	0.0047	0.01	0.0095	0.0095	0.028
Mean (mg/kg)	0.0074	0.013	0.010	0.0038	0.0081	0.0061	0.0056	0.023
Median (mg/kg)	0.0072	0.013	0.011	0.0036	0.0087	0.0057	0.0054	0.022

* Data from AECOM (2017b)

** All locations comprise Fullerton Cove, Raymond Terrace, Tomago, Stockton and Hunter River Port.

*** NSW DPI data sourced from AECOM (2016) report. Data was sourced from Append I and location 1 within the Hunter River site was selected to represent Fullerton Cove for comparative purposes.

Table 33 PFOS concentrations (mg/kg) in Luderick

Statistic	Fullerton Cove (Jan-Apr 2024) (*n* = 4)	Fullerton Cove (Feb 2022) (*n* = 4)	Fullerton Cove (Feb 2021) (*n* = 4)	Fullerton Cove (Jan 2020) (*n* = 4)	Fullerton Cove (Jan 2019) (*n* = 4)	Fullerton Cove Only (Dec 2016 – Mar 2017*) (*n* = 3)	All Locations** (Dec 2016 – Mar 2017*) (*n* = 10)	Fullerton Cove only*** (Feb 2016) (*n* = 4)
Maximum (mg/kg)	0.0042	0.0046	0.0024	0.0015	0.0057	0.0049	0.0049	0.015
Mean (mg/kg)	0.00375	0.0025	0.0021	0.0014	0.0034	0.0048	0.0033	0.011
Median (mg/kg)	0.0036	0.002	0.0020	0.0015	0.0030	0.0048	0.0028	0.011

* Data from AECOM (2017b)

**All locations comprise Fullerton Cove, Raymond Terrace, Tomago, Stockton and Hunter River Port.

*** NSW DPI data sourced from AECOM (2016) report. Data was sourced from Append I and location 1 within the Hunter River site was selected to represent Fullerton Cove for comparative purposes.

Table 34 PFOS concentrations (mg/kg) in School prawn

Statistic	Fullerton Cove (Jan-Apr 2024) (*n* = 4)	Fullerton Cove (Feb 2022) (*n* = 4)	Fullerton Cove (Feb 2021) (*n* = 4)	Fullerton Cove (Jan 2020) (*n* = 4)	Fullerton Cove (Jan 2019) (*n* = 4)	Fullerton Cove Only (Dec 2016 – Mar 2017*) (*n* = 20)	All Locations** (Dec 2016 – Mar 2017*) (*n* = 52)
Maximum (mg/kg)	0.012	0.0072	0.023	0.0074	0.021	0.020	0.020
Mean (mg/kg)	0.0066	0.0062	0.021	0.0065	0.017	0.012	0.0074
Median (mg/kg)	0.0049	0.0061	0.021	0.0067	0.017	0.013	0.0054

* Data from AECOM (2017b)

**All locations comprise Fullerton Cove, Raymond Terrace, Tomago, Stockton and Hunter River Port.

8.6 Influence of Rainfall

The base and Management Area experienced above average rainfall between April 2024 and June 2024, as outlined in **Section 6.4**. Increased rainfall at the base and surrounds results in an increase in groundwater levels and interaction with surface water which potentially increases migration of PFAS.

However, the potential impacts PFAS migration, measured in the form of first-time detections outside of plume footprints (i.e. within the Secondary Management Zone or Broader Management Zone), or increasing trends were typically not observed in the September 2024 sampling event.

An exception was the first-time exceedance of the drinking water guideline reported at MW270S (0.1 µg/L), located within the Broader Management Zone to the south of the base. It is noted that the PFAS concentrations are variable at this location and possibly influenced by surface water interaction following rainfall events, however additional temporal data and / or investigation into other potential PFAS source areas may be required to assess the reason for the increase. Note that PFOS+PFHxS concentrations were below LOR in April 2024 and 0.04 µg/L in August 2023.

8.7 OMP Trigger Levels Assessment

The OMP (Defence, 2023b) presents a series of trigger levels which were developed to alert Defence and the regulators of any adverse trends in environmental monitoring data. The trigger levels, prescribed responses and commentary on the data set from the monitoring period are summarised in **Table 35**.

Table 35 Trigger levels and responses

Trigger	Response
First-time detection of PFAS in groundwater/surface water	
First-time detections of PFOA, PFOS and/or PFOS+PFHxS for groundwater and surface water during the monitoring period are summarised in **Table 13** and **Table 17**. Below are the wells that reported first-time detections of PFOA: On-base • MW201D (0.05 µg/L, April 2024) • MW340D (0.04 µg/L, April 2024) • MW344D (0.02 µg/L, April 2024) Secondary Management Zone • MW146AD (0.04 µg/L, April 2024) Below are the wells that reported first-time detections of PFOS: Primary Management Zone • MW271D (0.02 µg/L, April 2024) Secondary Management Zone • MW257S (0.01 µg/L, April 2024) Broader Management Zone • MW270D (0.02 µg/L, April 2024) Below are the wells that reported first-time detections of PFOS+PFHxS: Secondary Management Zone • MW257S (0.01 µg/L, April 2024) Broader Management Zone • MW270D (0.02 µg/L, April 2024) There were no first-time detections reported in surface water during the monitoring period.	AECOM reviewed the first-time detections reported during the monitoring period and notes the following: • Concentrations at MW146AD, MW270D and MW271D returned to below LOR in September 2024. • Concentrations at MWW257S returned to below LOR in November 2024 (non-OMP sampling event). • PFOA concentrations reported at MW201D will be assessed in subsequent sampling events. • MW340D and MW344D: limited historical data associated with these locations. Concentrations from September 2024 sampling event were consistent with the April 2024 results. The PFAS concentrations in these monitoring wells will continue to be monitored to confirm results. With the exception of MW257S and MW201D, all locations are monitored on a biannual frequency. It is considered that no changes to the current monitoring frequencies for the above locations are warranted. AECOM notes that there are no changes to the CSM or associated risk profile due to the currency of the NSW Government's precautionary advice for each management zone.

Trigger	Response
First time exceedance of the drinking water guideline in groundwater	
New exceedances for PFOA and/or PFOS+PFHxS of drinking water guidelines in groundwater during the monitoring period are summarised in **Table 13**. Below are the wells that reported new exceedances of drinking water guidelines for PFOA: Primary Management Zone • MW731D (0.58 µg/L, April 2024) • MW731S (0.59 µg/L, April 2024) Below are the wells that reported new exceedances of drinking water guidelines for PFOS+PFHxS: Broader Management Zone • MW270S (0.1 µg/L, September 2024)	AECOM reviewed the first-time exceedances reported during the monitoring period and notes the following: • MW731S and MW731D: limited historical data associated with these locations. Concentrations from September 2024 sampling event were consistent with the April 2024 results. • The sample from MW270S was reanalysed, and the exceedance was confirmed. The rolling average over a three-year period (2022-2024) for PFOS+PFHxS results from MW270S (0.03 µg/L) remain below the drinking water guidelines. AECOM notes that there are no changes to the CSM or associated risk profile due to the currency of the NSW Government's precautionary advice for each management zone. The PFAS concentrations in these monitoring wells will continue to be monitored to confirm results. It is considered that no changes to the current monitoring frequencies for the above locations are warranted.
New exceedance in groundwater of the groundwater exposure point concentration (EPC) used in the Off-Site HHRA (AECOM, 2017b) for the relevant Risk Zone (refer to Appendix H): **Risk Zone A – PFOS+PFHxS: 190.3 µg/L** **Risk Zone B – PFOS+PFHxS: 5.67 µg/L** **Risk Zone C/D – PFOS+PFHxS: 0.05 µg/L**	
The Risk Zone is displayed in groundwater analytical tables (in both **Table T5** in **Appendix B** and in **Table E1** in **Appendix E**). The Risk Zones are displayed on **Figure F19** of **Appendix H**.	-

Trigger	Response
There were no new exceedances of the groundwater EPC for PFOS+PFHxS (AECOM, 2017b) in groundwater samples collected from Risk Zone A, Risk Zone B and Risk Zone C & D during the monitoring period.	
First time exceedance in surface water of the surface water EPC for 95th percentile used in the Off-Site HHRA (AECOM, 2017b): • **Marine Water – PFOS: 1.78 µg/L, PFHxS: 1.48 µg/L** • **Region 1 – PFOS: 5.035 µg/L, PFHxS: 1.666 µg/L** • **Region 2 – PFOS: 1.47 µg/L, PFHxS: 1.009 µg/L** • **Region 3 – PFOS: 7.743 µg/L, PFHxS: 6.773 µg/L**	
The Regions referred to in the Off-base HHRA are displayed in surface water analytical tables (in both **Table T6** in **Appendix B** and in **Table E2** in **Appendix E**). The Regions are displayed on **Figure F2** of **Appendix H**. There were no new exceedances of the surface water EPC for PFOS and PFHxS (AECOM, 2017b) in surface water samples collected from Marine Water, Region 1, Region 2 and Region 3 during the monitoring period.	-
First time exceedance of the recreational water guideline in surface water	
New exceedances for PFOA and/or PFOS+PFHxS of recreational water guidelines in surface water during the monitoring period are summarised in **Table 17**. There were no new exceedance of recreational guidelines for PFOA and/or PFOS+PFHxS reported in surface water samples collected during the monitoring period.	-
Sediment PFAS (i.e. Sum of PFAS) concentration increase* in two consecutive sampling events ***(where increases in two consecutive sampling events were also above historical maximums)**	
There were no Sum of PFAS concentration increases in two consecutive sampling events(were also above historical maximums) in sediment samples collected during the monitoring period.	-

Trigger	Response
Increasing PFAS trends	
Groundwater • On-base FFTA: - MW108S (PFOS+PFHxS*) - MW172 (PFOA, PFOS+PFHxS) • On-base South of Lake Cochran: - MW175D (PFOA, PFOS+PFHxS) • On-base Former and Current Fire Station: - Nil • On-base Trade Waste Treatment: - Nil • Primary Management Zone: - MW126S (PFOA*, PFOS+PFHxS) - MW178 (PFOS+PFHxS) - MW271S (PFOS+PFHxS) - MW731S (PFOA, PFOS+PFHxS) • Secondary Management Zone: - Nil • Broader Management Zone: - Nil. Insufficient sample numbers (less than four results over LOR) at monitoring locations to allow for statistical assessment	The increasing trends in PFAS concentrations in groundwater on-base and off-base within the Primary Management Zone (at the leading edge of the central plume) are not unanticipated based on groundwater modelling and as a result do not change the CSM or associated risk profile. Note that Mann-Kendall analysis was not used to assess PFAS trends in concentrations in surface water and sediment given that variables such as rainfall, which influence PFAS concentrations, are not factored into the analysis. Notwithstanding, analytical results and temporal trends in these datasets have been reviewed against the CSM, and assessment criteria, with risk profiles for each monitoring location updated where required.
Decreasing PFAS trends	
Groundwater • On-base FFTA: - MW166 (PFOA, PFOS+PFHxS) - MW167 (PFOA, PFOS+PFHxS) - MW168 (PFOS+PFHxS)	The decreasing concentrations on-base in the vicinity of areas where Defence has undertaken PFAS remediation / management actions are not unexpected and as such do not change the CSM or associated risk profile. The reason for the localised decreasing PFAS concentrations in MW132I and MW247S within the Secondary Management Zone is currently unknown. While

Trigger	Response
- MW169D (PFOA, PFOS+PFHxS) - MW169S (PFOA, PFOS+PFHxS) - MW281S (PFOA, PFOS+PFHxS) - MW282S (PFOS+PFHxS*) • On-base South of Lake Cochran: - MW109D (PFOS+PFHxS*) - MW466 (PFOS+PFHxS) - MW468 (PFOA, PFOS+PFHxS) • On-base Former and Current Fire Station: - MW196 (PFOA, PFOS+PFHxS) - MW201S (PFOS+PFHxS*) - MW202S (PFOS+PFHxS) • On-base Trade Waste Treatment: - MW106D (PFOA*) - MW210S (PFOA*, PFOS+PFHxS*) - MW210D (PFOS+PFHxS) - MW441 (PFOA*) • Primary Management Zone: - Nil • Secondary Management Zone: - MW132I (PFOS+PFHxS) - MW247S (PFOA, PFOS+PFHxS) • Broader Management Zone: - Nil. Insufficient sample numbers (less than four results over LOR) at monitoring locations to allow for statistical assessment	these locations will continue to be monitored, there is no change to the CSM or associated Risk Profile given that the NSW Governments precautionary advice continues to apply to both locations.

Trigger	Response
No triggers or acceptable levels are exceeded	
Exceedances of the triggers or acceptable levels were reported for: • First time detections of PFAS in groundwater and surface water • First time exceedance of the drinking water guideline in groundwater • Increasing PFAS trends • Decreasing PFAS trends	Continue monitoring of all locations as per the OMP.

Notes: Risk Zones and Regions as defined in the HHRA (AECOM, 2017b), detailed below.

- **Marine Water:** various water bodies such as those associated with Port Stephens and Hunter River (i.e. Fullerton Cove for the purpose of the OMP)
- **Region 1**: the area east of the base, generally following Moors Drain and discharging at the tidal portion of Tilligerry Creek.
- **Region 2**: the area along Tilligerry Creek southeast of the base which discharges in the tidal portion of Tilligerry Creek
- **Region 3**: the surface water drainage network south of the base, which predominantly discharges at Fullerton Cove.
- **Risk Zone A** is defined by the footprint of the Southern Area, which includes a portion of Region 3.
- **Risk Zone B** is defined by the footprint of the Eastern Area, which includes a portion of both Region 1 and Region 3.
- **Risk Zone C** is defined by that portion of the footprint of the remaining area, which corresponds with Region 1 and Region 3.
- **Risk Zone D** is defined by that portion of the footprint of the remaining area, which corresponds with Region 2.
- Asterisk (*) indicates a trend was determined as Probably Increasing or Probably Decreasing

9.0 Conceptual Site Model

The updated PMAP (Defence, 2023a) provides a revised CSM summarising the linkages between sources, exposure pathways and receptors.

The OMP sampling events over the monitoring period have provided additional data to further understand the changing conditions of the PFAS concentrations in groundwater, surface water, sediment and biota.

Although some localised changes were noted to the plume extents on-base as a result of remediation activities, the PFAS transport mechanisms and the general extent of the plume (size and shape) are inferred to remain similar to that reported previously.

Groundwater remains the primary pathway for PFAS migration from the base. The ongoing treatment of groundwater at the Western Region (FFTA), and Central Region (Area south of Lake Cochran) coupled with previous source removal (excavation) activities at the sources in these areas, have reduced the localised PFAS concentrations in groundwater at the base. However, the on-base source-pathway-receptor (SPR) linkages identified in the CSM remain unchanged. PFAS-impacted groundwater continues to migrate south from these source areas beyond the base boundary and SPR linkages for off-base areas remain unchanged.

Surface water drainage, including interaction between surface water drains and groundwater, remains the other a significant pathway for PFAS migration from the base. The key drainage channels that drain surface water from the base to off-base areas include:

- Western and Central Regions: Dawsons Drain and Leary's Drain and (indirectly) Fourteen Foot Drain and Ten Foot Drain to the southwest of the base, which discharge to Fullerton Cove. Groundwater is known to upwell into Dawsons Drain and Leary's Drain, providing a direct migration pathway for PFAS-impacted groundwater to enter these drainage lines and Fullerton Cove beyond.
- Eastern Region: Moors Drain which receives runoff from the on-base piped stormwater drainage network and discharges to Tilligerry Creek. Notably the on-base stormwater network within the Eastern Region is known to interact with the shallow groundwater and provides a direct migration pathway for PFAS impacted groundwater to enter the off-base surface water environment at Moors Drain.

Despite the sandy, porous nature of the soils in the Management Area, heavy rainfall can exceed the soil infiltration rate, resulting in ponding and/or runoff on the surface and flooding, and influence the migration of PFAS into downstream sediments. Given the shallow depth to groundwater, it is also likely that these occurrences, which are transient, represent water table outcrop. Concentrations of PFAS in sediment have fluctuated over time however generally remain within the same order of magnitude as historical ranges.

No significant changes to the SPR linkages and migration mechanisms identified for surface water and sediment were apparent during the monitoring period.

The current CSM is presented in **Table 36** below and illustrated as a conceptual schematic figure in **Appendix I**.

Table 36 Conceptual Site Model

Primary Sources	Secondary Sources	Transport Mechanisms	Exposure Pathways	Exposed Population Characterisation / Receptor	Exposure pathway complete?	Risk	Risk Management
On-base areas where fire-fighting retardants/ suppression foams (primarily AFFF) have been discharged or released to the environment. PFAS soaks into soil and/or infrastructure from where it can be eroded as sediment or leached by rainwater or flood water and migrate to groundwater, or dissolve in surface water runoff and potentially travel to affect other media.	PFAS in shallow soil (<1.9 m).	Water and wind erosion of soil and atmospheric dispersion of soil and dust. Excavation and re-location of soil during construction activities.	Human health: direct contact with PFAS in soil during intrusive works (i.e. excavations)	Commercial/ Intrusive maintenance workers	Potentially complete	Potential for exposure to occur under incidental ingestion of soil and direct contact with soil (including during intrusive works) with concentrations of PFOS+PFHxS above the adopted commercial/industrial land use screening criteria (on-base source areas).	The potential risks associated with direct contact with PFAS in soils are effectively managed by existing administrative controls (required for all excavation works on-base), OHS practices and personal protective equipment (PPE)
			Ecological: Flora - direct contact with, root uptake from PFAS in soil. Fauna - ingestion of PFAS in soil and ingestion of plants which may have taken up PFAS from the soil.	On-base flora and fauna.	Complete	Reported concentrations of PFOS in surface soils, have the potential to pose an unacceptable risk to ecological receptors due to direct and indirect contact.	Ongoing remediation to reduce PFAS levels at the base. Restricting access for fauna to PFAS impacted areas on base through engineering controls (i.e. fencing)
	PFAS in groundwater.	Groundwater transport in shallow aquifer.	Human health: Direct contact with groundwater (indoor and outdoor use); via extraction from bore, irrigation spear points (on and off-base).	Commercial/ Intrusive maintenance workers	Potentially complete	Potential for exposure to occur should indirect or direct contact with concentrations of PFAS in groundwater above relevant criteria.	On-base: Managed by provision of potable water and OHS practices.
				Residential	Potentially complete*	Potential for elevated exposure to occur under typical[2] and upper[3] scenarios in Risk Zone A (refer to Appendix H). The severity is variable[1] and dependant on the type and number of pathways	Off-base: Managed by provision of an alternative water supply and ongoing management via the NSW Government precautionary advice.
	PFAS in surface water.	Surface water transport; in drains and on ground surface on and off-base.	Ecological (on and off-base): Toxicity to flora and fauna from direct exposure to PFAS in surface water.	Ecosystem (on-base and off-base).	Complete	Reported concentrations of PFOS in surface water were above 90% species protection criteria in all waterways except Fullerton Cove. The Ecological Risk Assessment (ERA) (AECOM, 2018) noted that there was the potential for unacceptable risks to native flora and fauna associated with direct contact and/or consumption of PFAS impacted surface water	Ongoing management of surface water to reduce PFAS discharges from the base. The potential risks associated with direct contact with PFAS in sediment and surface water in on-base drains and water bodies are effectively managed by existing administrative controls (required for all maintenance works on-base), OHS practices, PPE and off-base via the NSW Government precautionary advice.
			Human Health: Direct contact with surface water (on-base commercial workers, off-base recreational)	Commercial / Recreational	Potentially complete*	Elevated concentrations of PFOS in surface water within on-base and off-base drains and surface water bodies	
	PFAS in sediment.	Dispersion via surface water or via drain maintenance activities.	Ecological (on and off-base): Direct contact of terrestrial and aquatic organisms to PFAS in sediment.	Ecosystem (on-base and off-base).	Complete	Reported concentrations of PFOS in sediment (on-base drains and Dawsons Drain/ Moors Drain) have the potential for unacceptable risks to aquatic organisms.	
			Human Health: Direct contact with PFAS in sediment for commercial workers (on base)	Commercial	Potentially complete	Elevated concentrations of PFOS in sediment within on-base drains and surface water bodies	

Primary Sources	Secondary Sources	Transport Mechanisms	Exposure Pathways	Exposed Population Characterisation / Receptor	Exposure pathway complete?	Risk	Risk Management
	PFAS in pore water in sediments.	Surface water transport; in un-lined drains and as surface flow on-base and off-base.	Ecological (on and off-base): Direct contact of terrestrial and aquatic organisms to PFAS in surface water.	Ecosystem (on-base and off-base).	Complete	Reported concentrations of PFOS in surface water were above 90% species protection criteria in all waterways except Fullerton Cove. The ERA (AECOM, 2018) noted that there was the potential for unacceptable risks to native flora and fauna associated with direct contact and/or consumption of PFAS impacted surface water	
	Home grown produce.	Uptake of PFAS in soil / water by biota	Human health: Consumption of home grown produce (including fruit and vegetables, chicken eggs).	Residential	Potentially complete*	Potential for elevated exposure to occur under typical[2] and upper[3] scenarios in Risk Zones A, B, C and D when eating eggs from home grown backyard poultry that have consumed soil or plants that have accumulated PFAS from irrigation water. Potential for elevated exposure to occur when eating vegetables that have been in irrigated or flooded with water containing detectable PFAS concentrations, under: • typical[2] and upper[3] scenarios in Risk Zone A (refer to Appendix H). • upper[3] scenarios in Risk Zone B (refer to Appendix H). The severity is variable[1] and dependant on the type and number of pathways .	Ongoing management via the NSW Government precautionary advice.
	Aquatic biota.	Uptake of PFAS in sediment / water by aquatic biota	Human health: Ingestion of aquatic organisms (including fish and shell fish).	Residential/ Commercial fishers	Potentially complete*	Potential risk of harm to human health from consumption of high quantities of locally sourced finfish, including dusky flat head, luderick, silver biddy and mulloway. Potential for elevated exposure to occur for commercial fishers under upper[3] scenarios in marine environment.	Ongoing management via the NSW Government precautionary advice.

Notes:

* = Pathway considered to be potentially complete for this receptor; however, management measures are currently in place to reduce the potential for exposure via this pathway. Management measures include precautions to minimise exposure recommended by NSW Government (consistent with the 2017 HHRA), and provision of an alternative water supply to eligible stakeholders by Defence.

1. Combined with other exposure pathways, this has the potential to result in overall exceedances of the tolerable daily intake (TDI). Exceeding the TDI does not mean that health effects will occur, and there is currently no conclusive evidence that exposure to PFAS will lead to health effects in humans.
2. ‘Typical’ represents typical and average exposure scenarios for majority of the population.
3. ‘Upper’ represents receptors that undertake activities at a higher frequency or ingestion, therefore apply to a small percentage of the population.

10.0 Risk Profile Review

10.1 Risk Assessment Summary

The HHRA (AECOM, 2017b) and the ERA (AECOM, 2018) assessed the potential off-base human health and environmental risks resulting from exposure to base derived PFAS in soil, sediment, groundwater and / or surface water.

The data collected during OMP monitoring between January 2024 and December 2024 indicates that the risk profile to human health and ecological receptors within the Management Area as presented in the HHRA, ERA and the PMAP (Defence, 2023a) remains unchanged. This is based on the following assessment of OMP data, particularly with reference to the OMP trigger levels assessment outlined in **Section 8.7**.

It is noted that potential PFAS exposure for land users within the Williamtown Management Area via water use and locally sourced food consumption, is managed through NSW Government Precautionary Advice which currently remains in place.

10.2 Human Health Risk Assessment

The exposure pathways where potential risks were identified as elevated in the HHRA (AECOM, 2017b) were as follows:

- Drinking groundwater (including use in cooking) where the average PFAS concentration exceeds the drinking water guidelines (FSANZ, 2017).
- Incidental ingestion of groundwater when used indoors for showering or bathing or food preparation.
- Incidental ingestion of groundwater when used outdoors (including filling swimming pools and children's wading pools, sprinkler play and domestic irrigation).
- Incidental ingestion of surface water during recreational activities (including swimming in creeks and/or drains).
- Eating home grown vegetables.
- Eating eggs from backyard poultry.
- Eating home grown red meat.
- Drinking milk from home grown cattle or using it in cooking.
- Eating high quantities of locally sourced finfish.

The current data set collected under the OMP does not indicate that there is a change in the identified HHRA exposure pathways described above.

10.3 Ecological Risk Assessment

The exposure pathways where potential risks were identified as elevated in the ERA (AECOM, 2018) were as follows

- Ingestion of PFAS impacted soil, sediment or surface water by ecological receptors.
- Ingestion of organisms that have been exposed to PFAS where bioaccumulation is occurring, including aquatic and terrestrial organisms.

The current data set collected under the OMP does not indicate that there is a change in the identified ERA exposure pathways described above.

11.0 Conclusions

Groundwater, surface water, sediment, and aquatic biota sampling was completed as part of the OMP between January 2024 and December 2024. The following conclusions are based on the data collected during the monitoring period.

PFAS Plume Characteristics

Overall, the concentrations of PFAS in groundwater were generally similar to previous results. In several upper and mid-plume locations on-base ‘decreasing’ or ‘probably decreasing’ trends were identified, indicating that targeted treatment of on-base source areas has and continues to remove PFAS mass from the environment and mitigate replenishment of PFAS plumes.

At some monitoring locations downgradient of the plume fronts increasing trends were identified suggesting the cores of the plumes continue to migrate away from on-base source areas. However, PFAS concentrations and the shape of the groundwater plume in the Primary and Secondary Management Zones, including Salt Ash area to the east of the base, were generally stable.

The overall extent of the off-base plume remains relatively consistent with the extents identified in the 2017 ESA (AECOM, 2017a).

Conceptual Site Model and Risk Summary

The CSM was reviewed, and no changes were identified to PFAS sources, pathways or receptors at the base and off-base Management Area.

While there have been localised changes in PFAS concentrations during the monitoring period, the risks profiles associated with exposure to PFAS in groundwater, surface water and sediment, and as described in the HHRA (AECOM, 2017b), have not changed and no review of exposure assumptions is required.

The potential PFAS exposure of land users off-base, within the Williamtown Management Area, regarding water use and locally sourced food consumption is currently managed through NSW Government Precautionary Advice and remains in place.

Remediation Progress

- The three water treatment plants on-base removed approximately 4.7 kg of PFAS from the environment (groundwater and surface water) during this monitoring period.
- The decrease in concentrations of the northern portion of the Western Region is likely to be attributable to the soil remediation and ongoing groundwater treatment at the FFTA.
- The Lake Cochran Passive Barrier system trial was successful under controlled conditions and ongoing performance will be monitored under the OMP scheme.
- Defence is also planning to implement additional management actions to target the western plume and central plume, and potentially upgrade the Moors Drain water treatment plant, it is estimated that these proposed additional works will reduce PFAS flux entering the environment by around 30 kg per year.
- Whilst remediation progress continues across the base, the management of risks to PFAS continues to be undertaken in accordance with the actions outlined in the PMAP.

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Appendix A

Figures

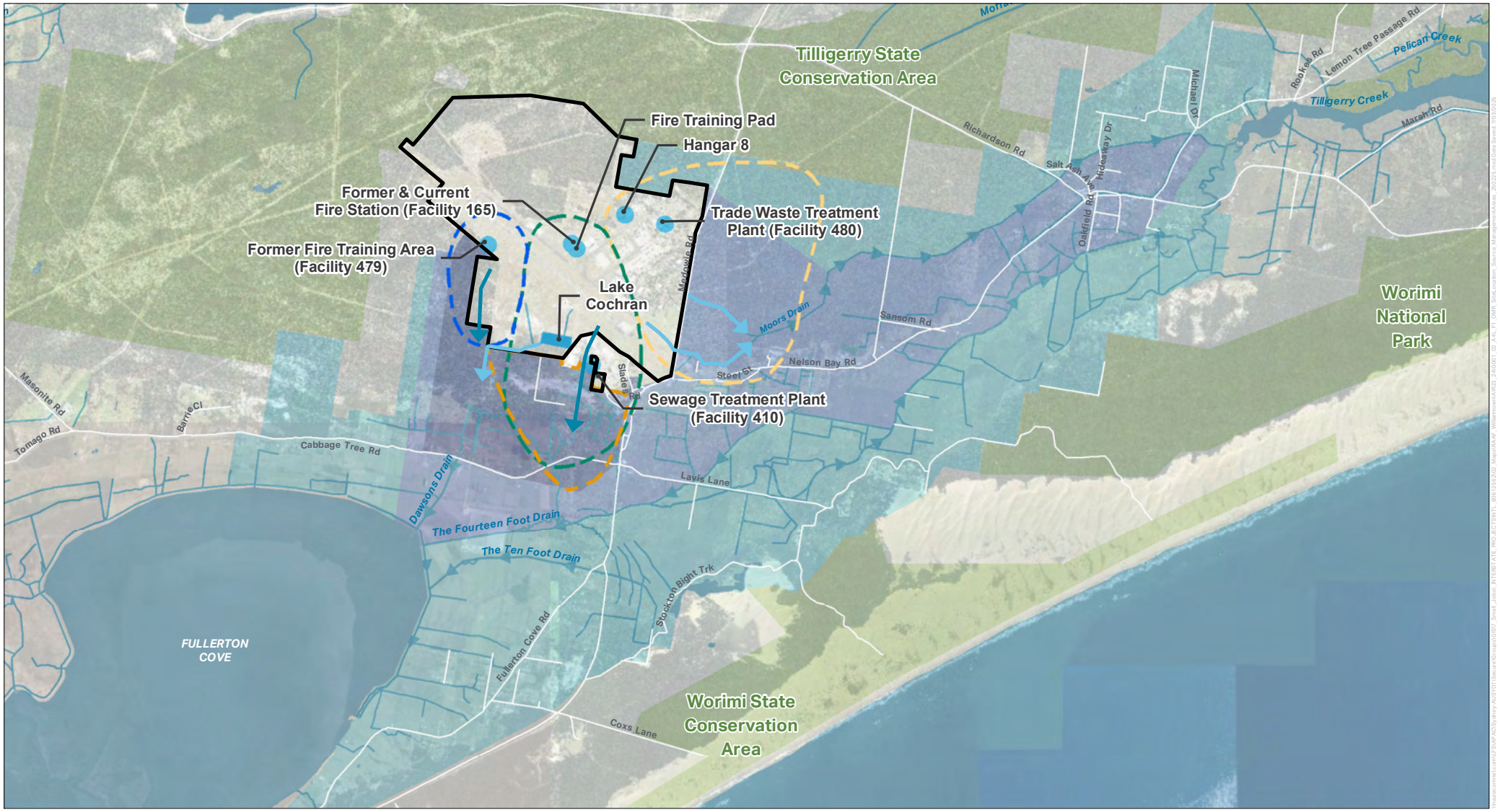
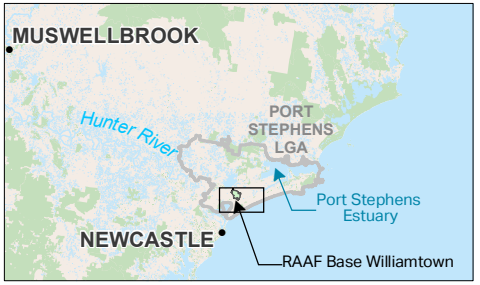


FIGURE F1: SITE LOCATION AND MANAGEMENT AREA

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Central Region
- Eastern Region
- Western Region
- Southern Area
- Watercourse
- PFAS Source Area (PMAP, Defence 2023)
- Watercourse direction
- Key Groundwater Migration Pathway
- Key Surface Water Migration Pathway



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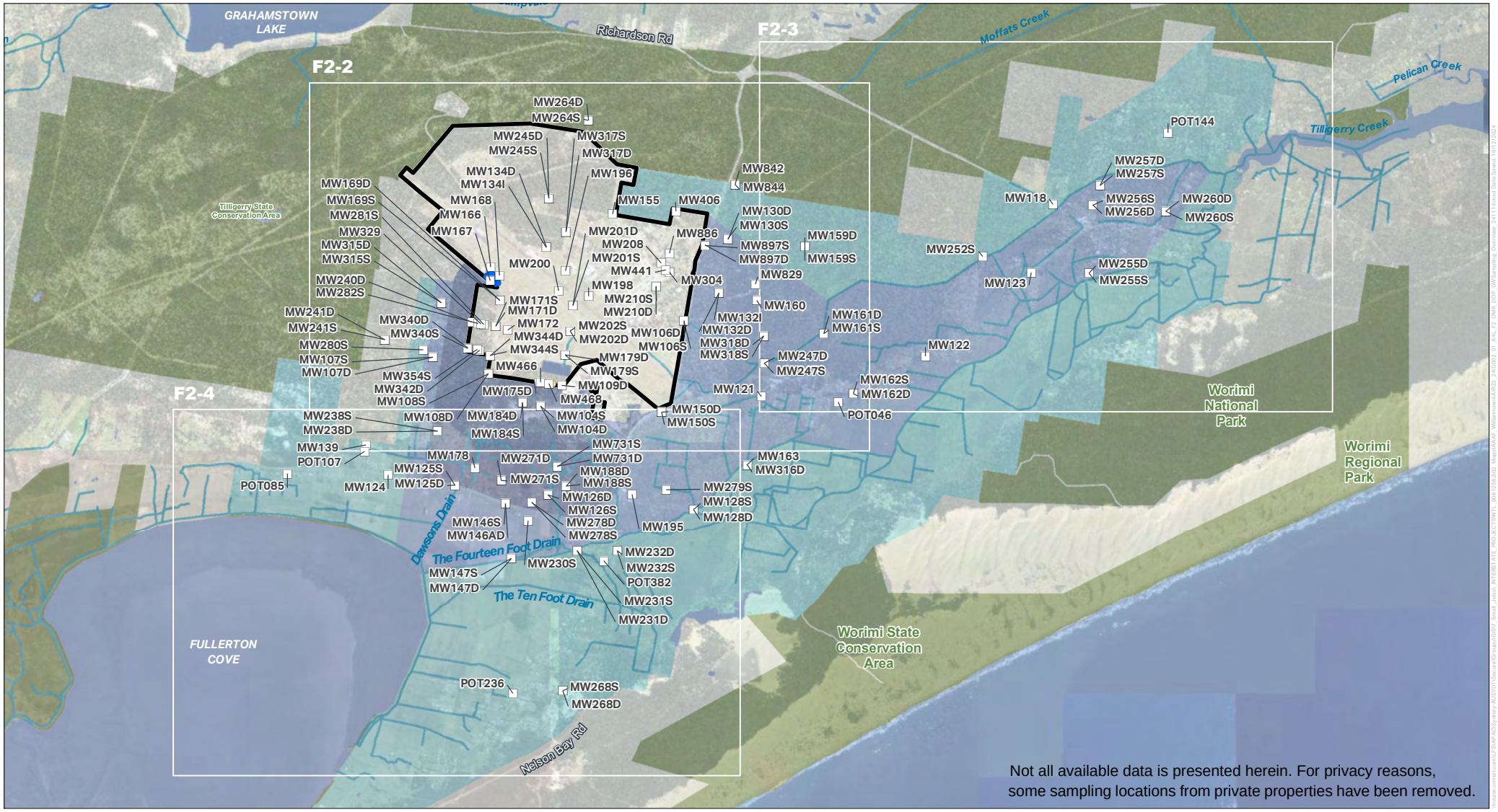

FIGURE F2-1: GROUNDWATER SAMPLING LOCATIONS OVERVIEW

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Watercourse
- Groundwater Sampling Location
- Extraction Wells for Former Fire Training Area Water Treatment Plant
- Extraction Wells for Southern Area Water Treatment Plant

N

0 0.5 1 km

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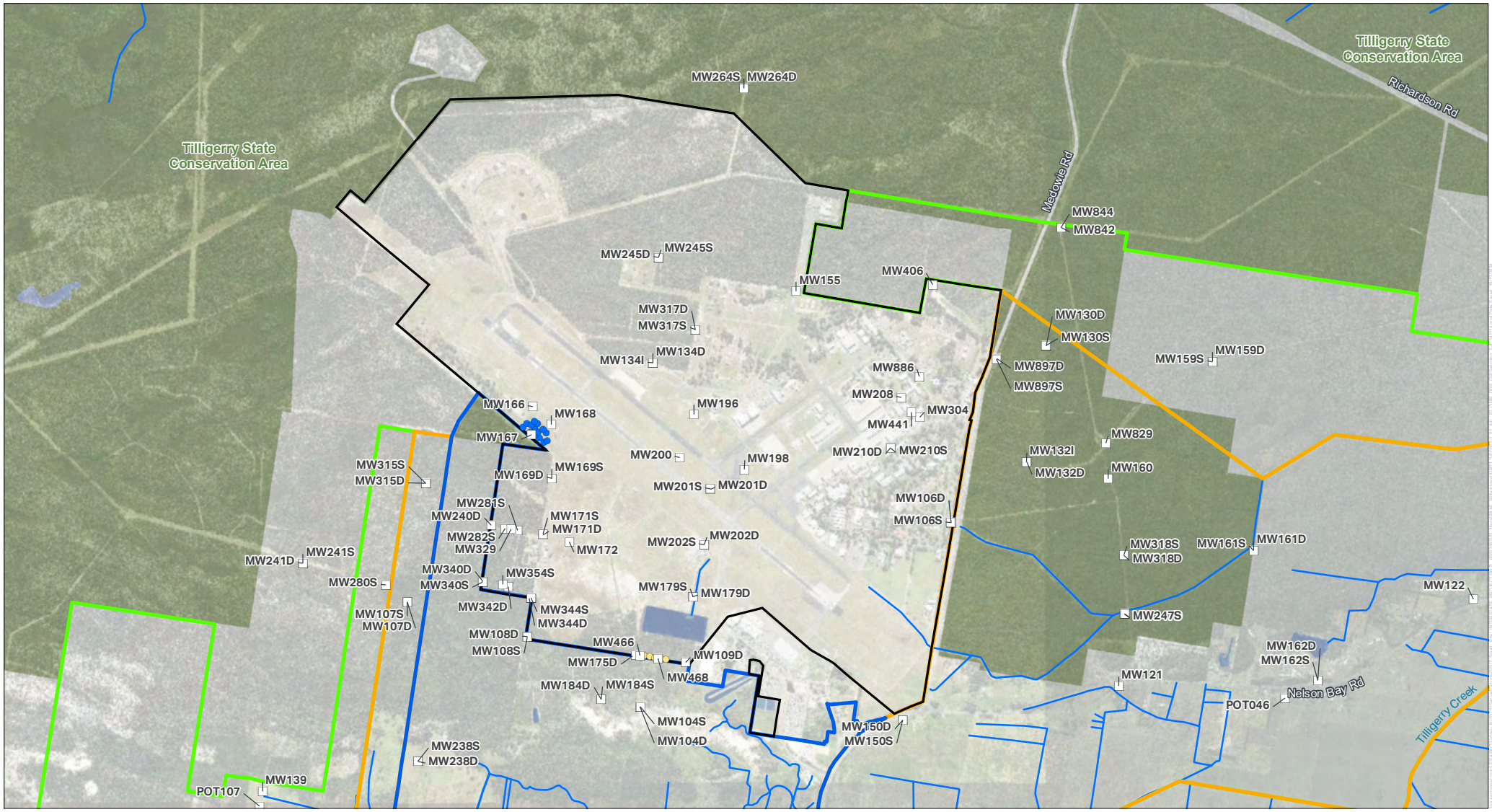

FIGURE F2-2: GROUNDWATER MONITORING LOCATIONS - BASE AND WEST

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Sampling Location
- Extraction Wells for Former Fire Training Area Water Treatment Plant
- Extraction Wells for Southern Area Water Treatment Plant

N

0 0.5 1 km

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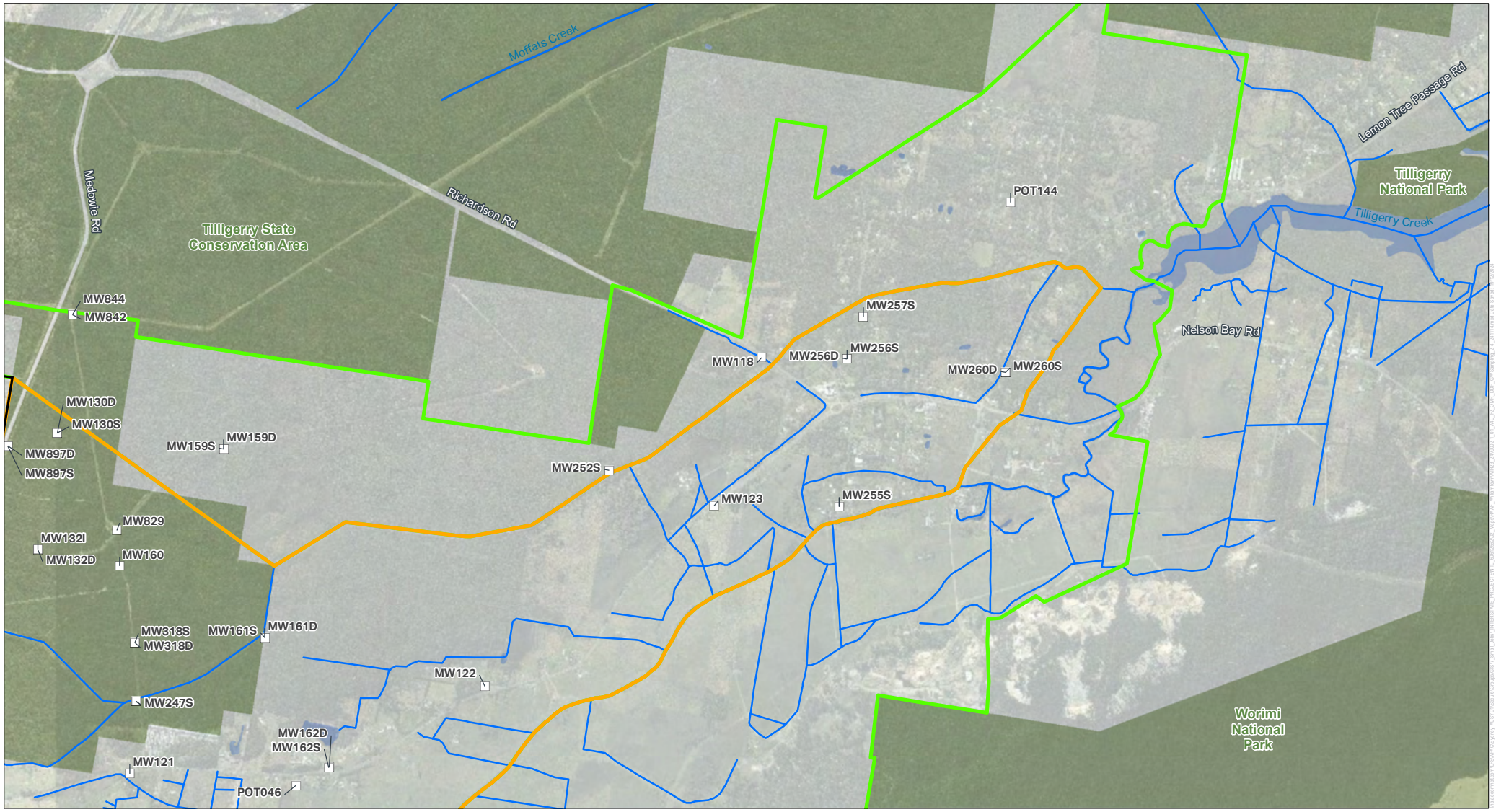

FIGURE F2-3: GROUNDWATER MONITORING LOCATIONS - EAST

Legend

- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Sampling Location

N

0 0.5 1 km

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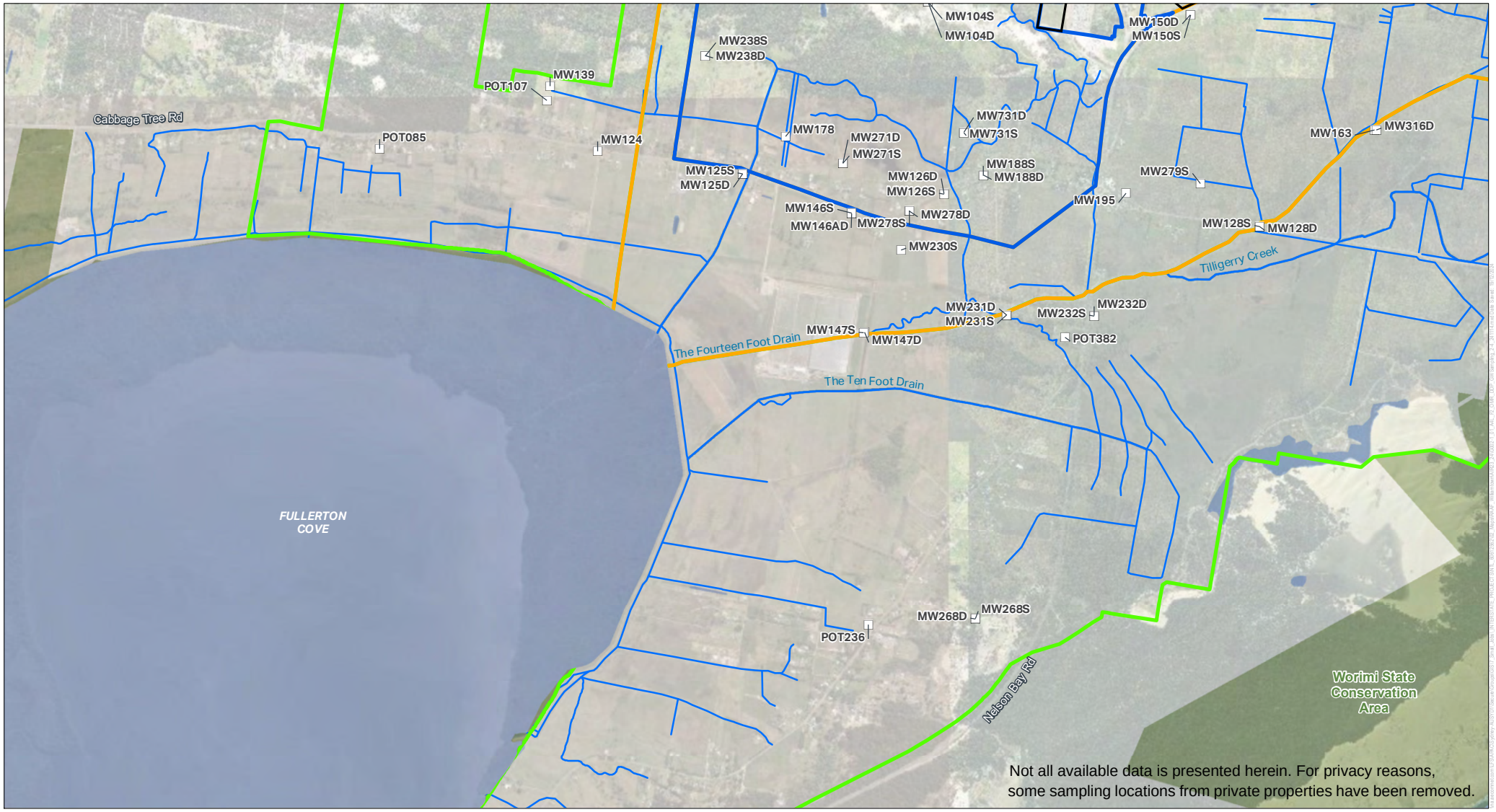

FIGURE F2-4: GROUNDWATER MONITORING LOCATIONS - SOUTH

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Sampling Location

N

0 0.5 1 km

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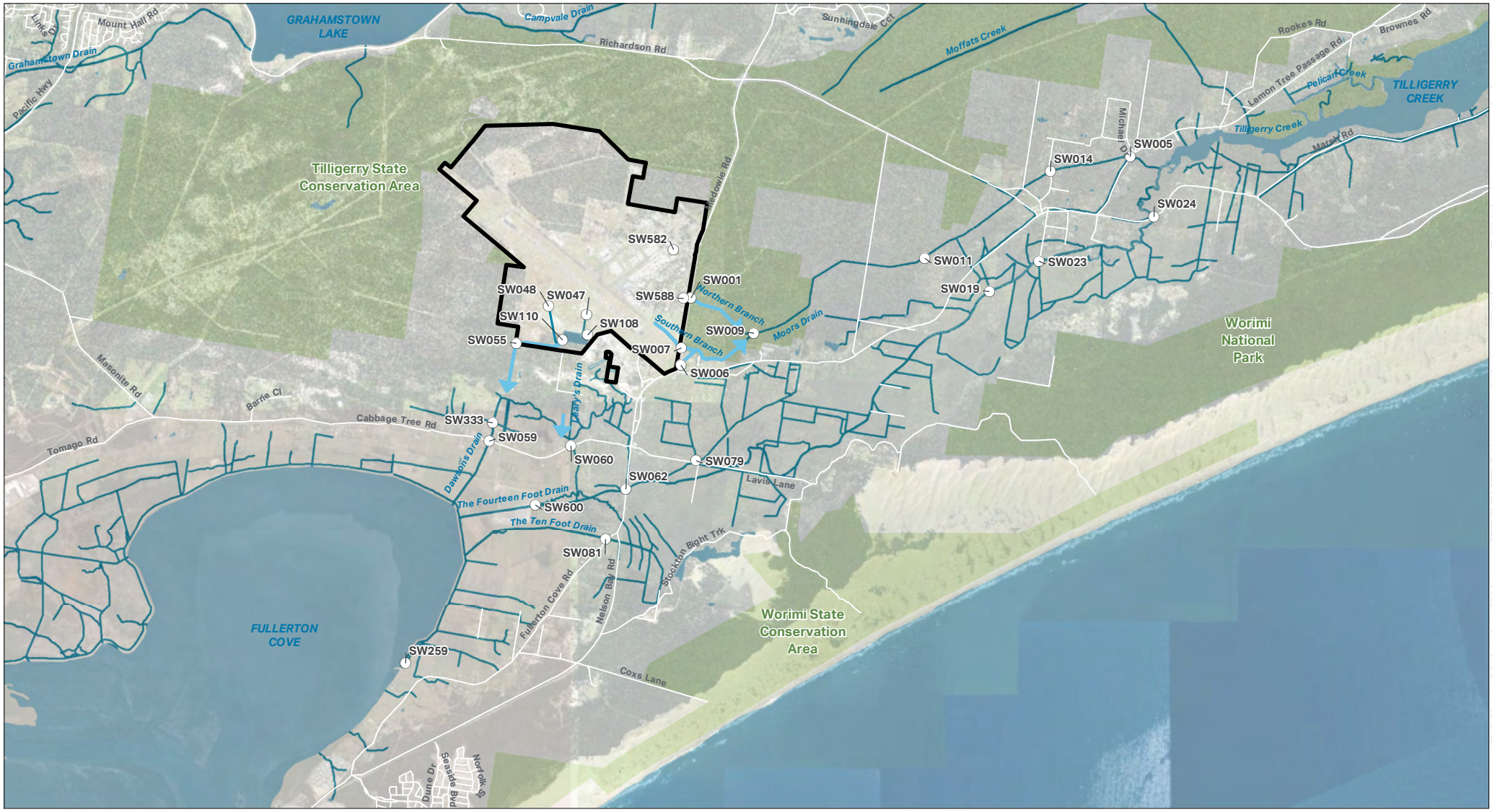

FIGURE F3: SURFACE WATER SAMPLING LOCATIONS

Legend

- RAAF Base Williamtown
- National Parks and Reserves
- Watercourse
- Surface Water Drainage Pathways
- Surface Water Sampling Location

N

0 1 2 km

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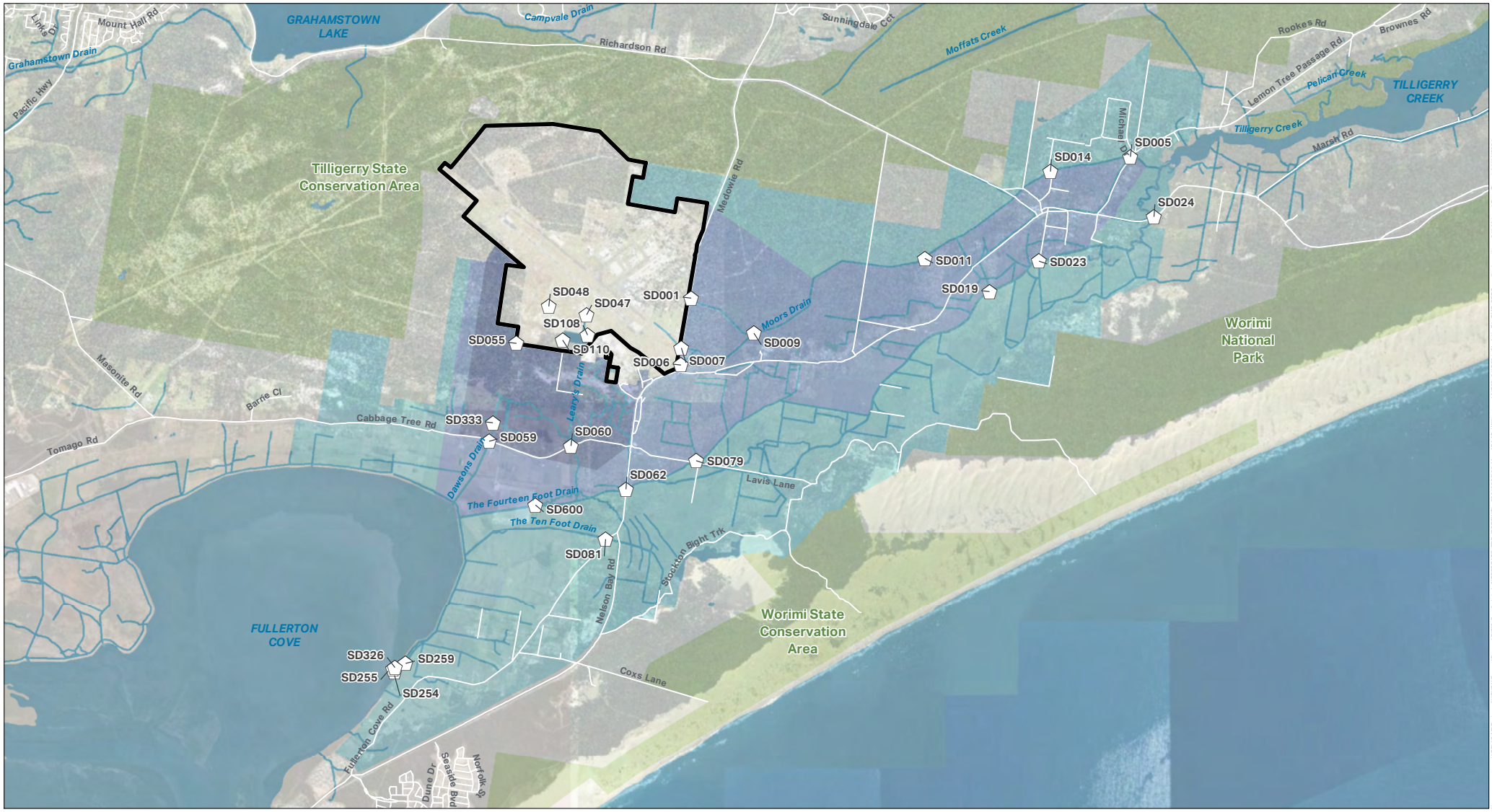

FIGURE F4: SEDIMENT SAMPLING LOCATIONS

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse
- Sediment Sampling Location

N

0 1 2 km

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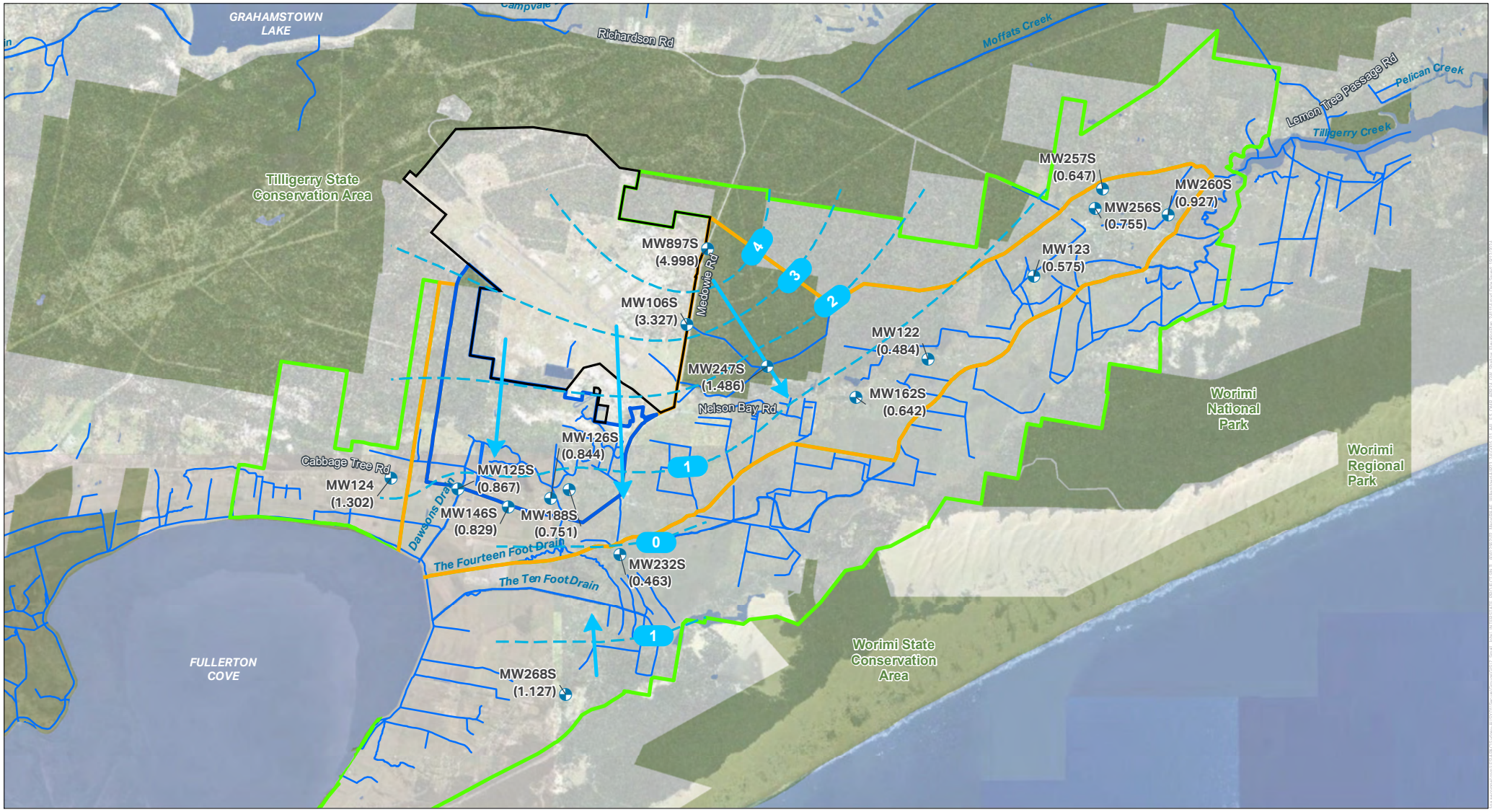

FIGURE F5: SHALLOW GROUNDWATER ELEVATION PLAN - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater elevation Contour (Shallow Wells; mAHD)

N

0 0.5 1 km

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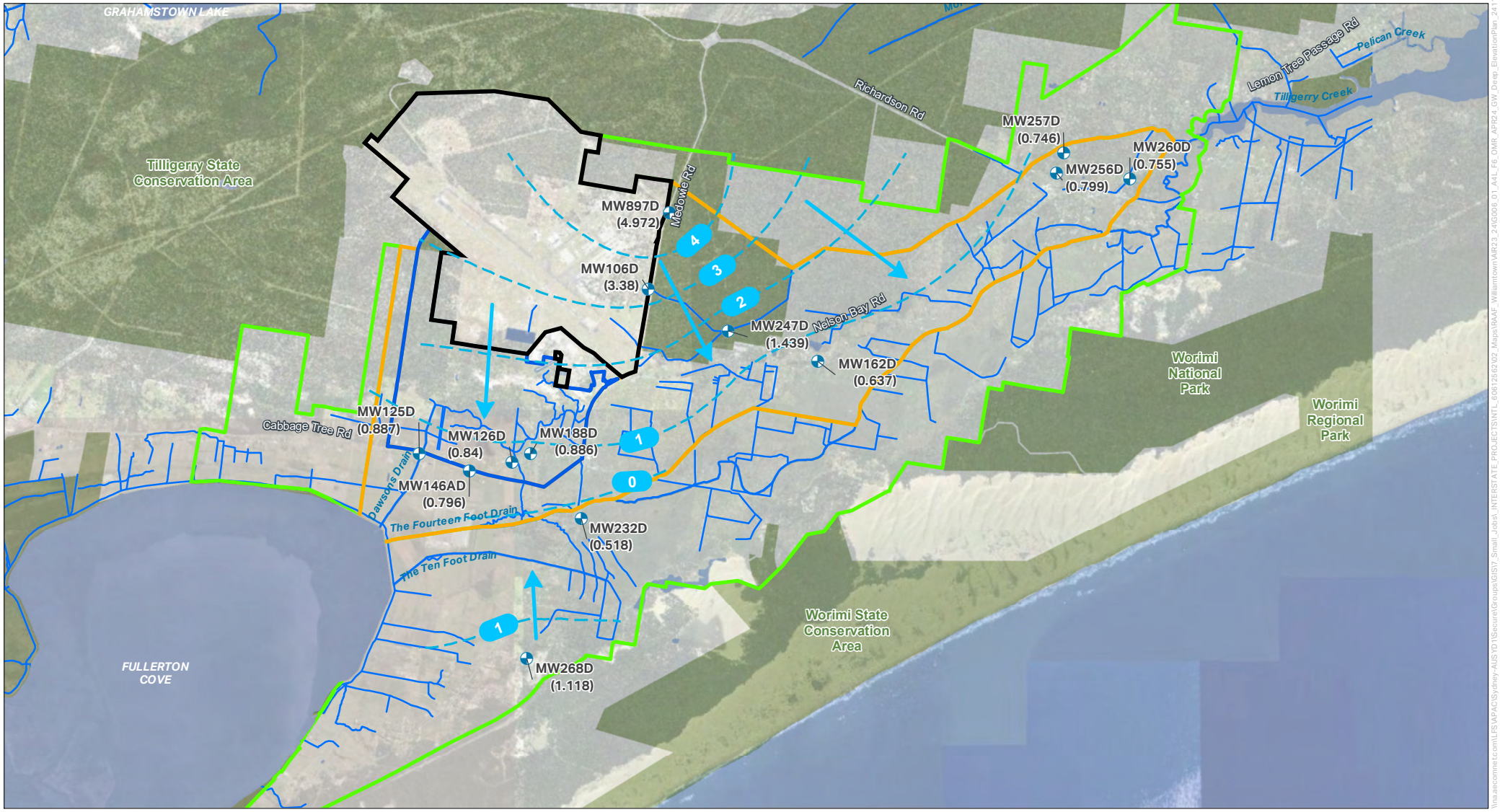

FIGURE F6: DEEP GROUNDWATER ELEVATION PLAN - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contour (Deep Wells; mAHD)

N

0 0.5 1 km

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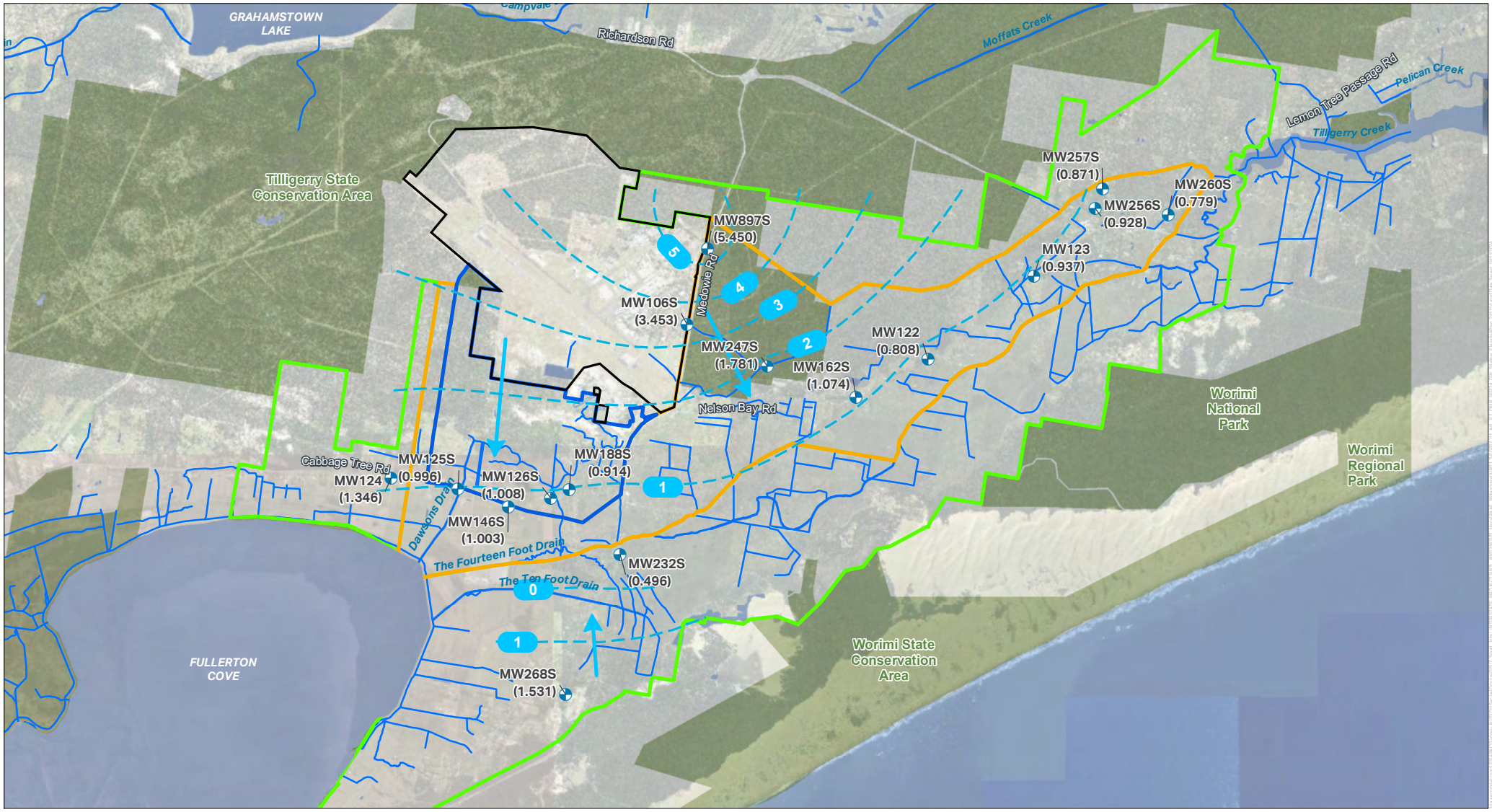

FIGURE F7: SHALLOW GROUNDWATER ELEVATION PLAN - SEPTEMBER 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contours (Shallow Wells; mAHD)

N

0 0.5 1 km

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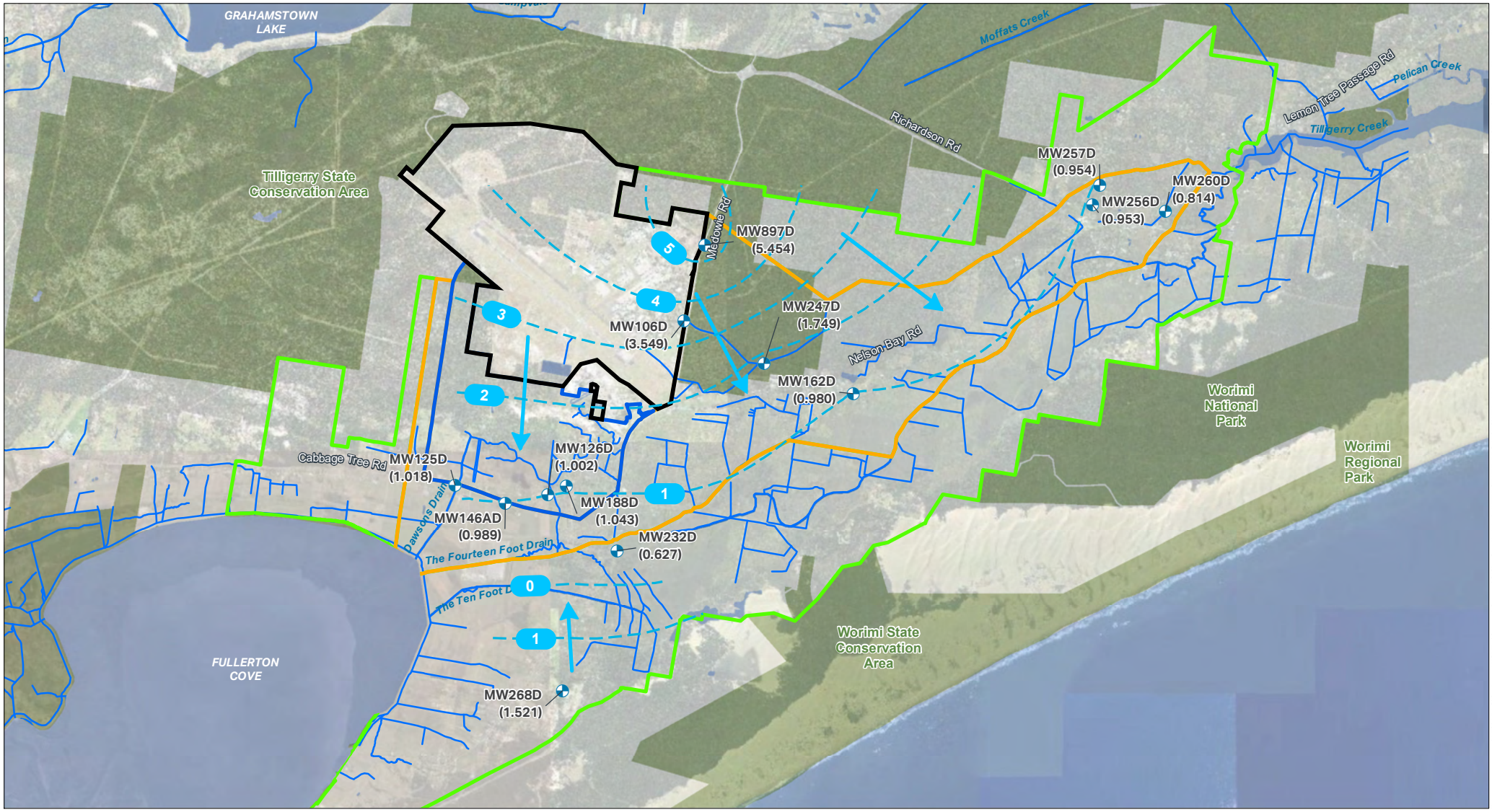

FIGURE F8: DEEP GROUNDWATER ELEVATION PLAN - SEPTEMBER 2024

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contours (Deep Wells; m AHD)

N

0 0.5 1 km

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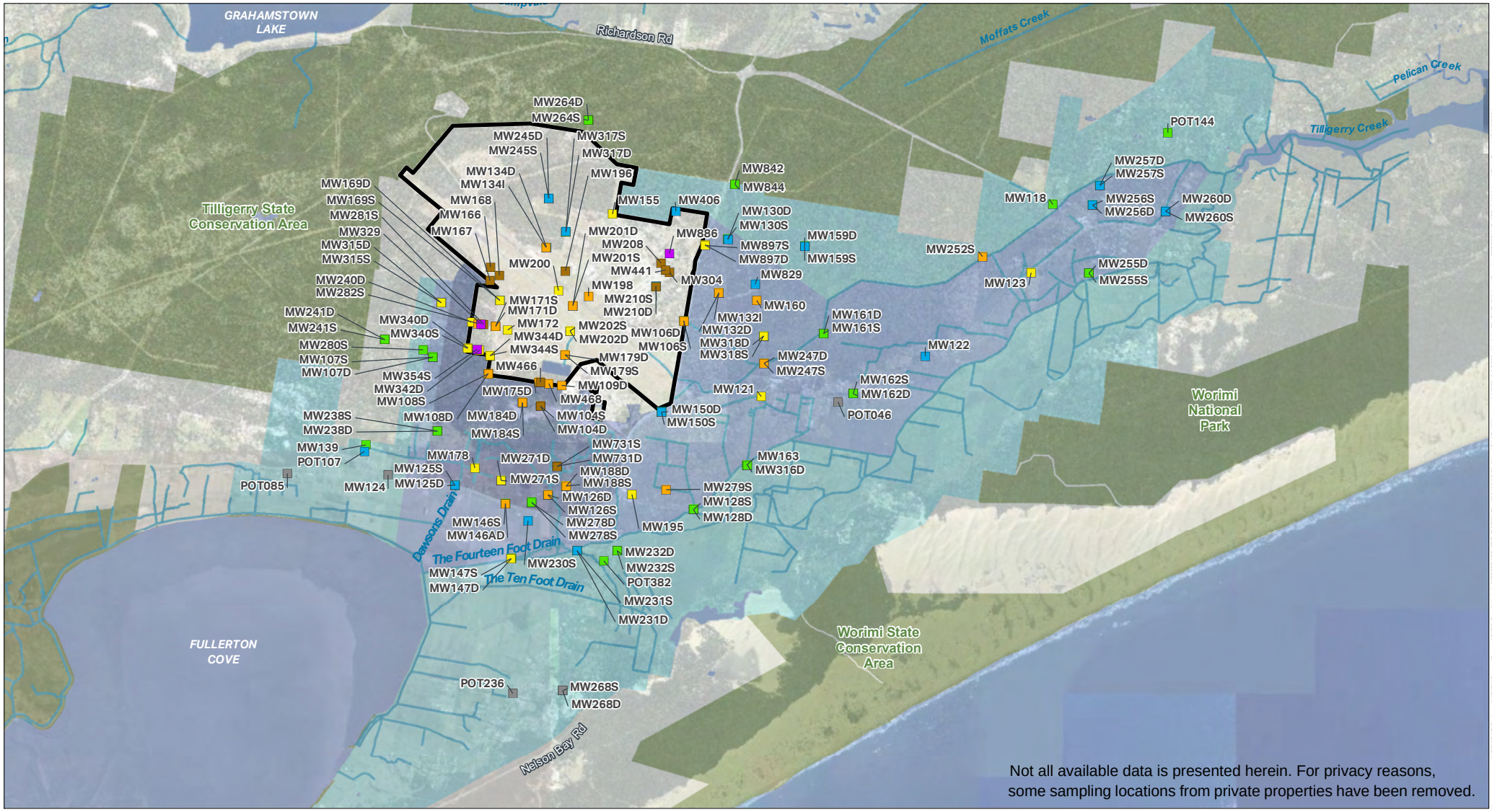

FIGURE F9: GROUNDWATER ANALYTICAL RESULTS - PFOS+PFHXS - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Watercourse

Groundwater PFOS + PFHxS (µg/L)

- > 50
- > 10 - 50
- > 1 - 10
- > 0.07 - 1
- Limit of Reporting - 0.07
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 0.5 1 km

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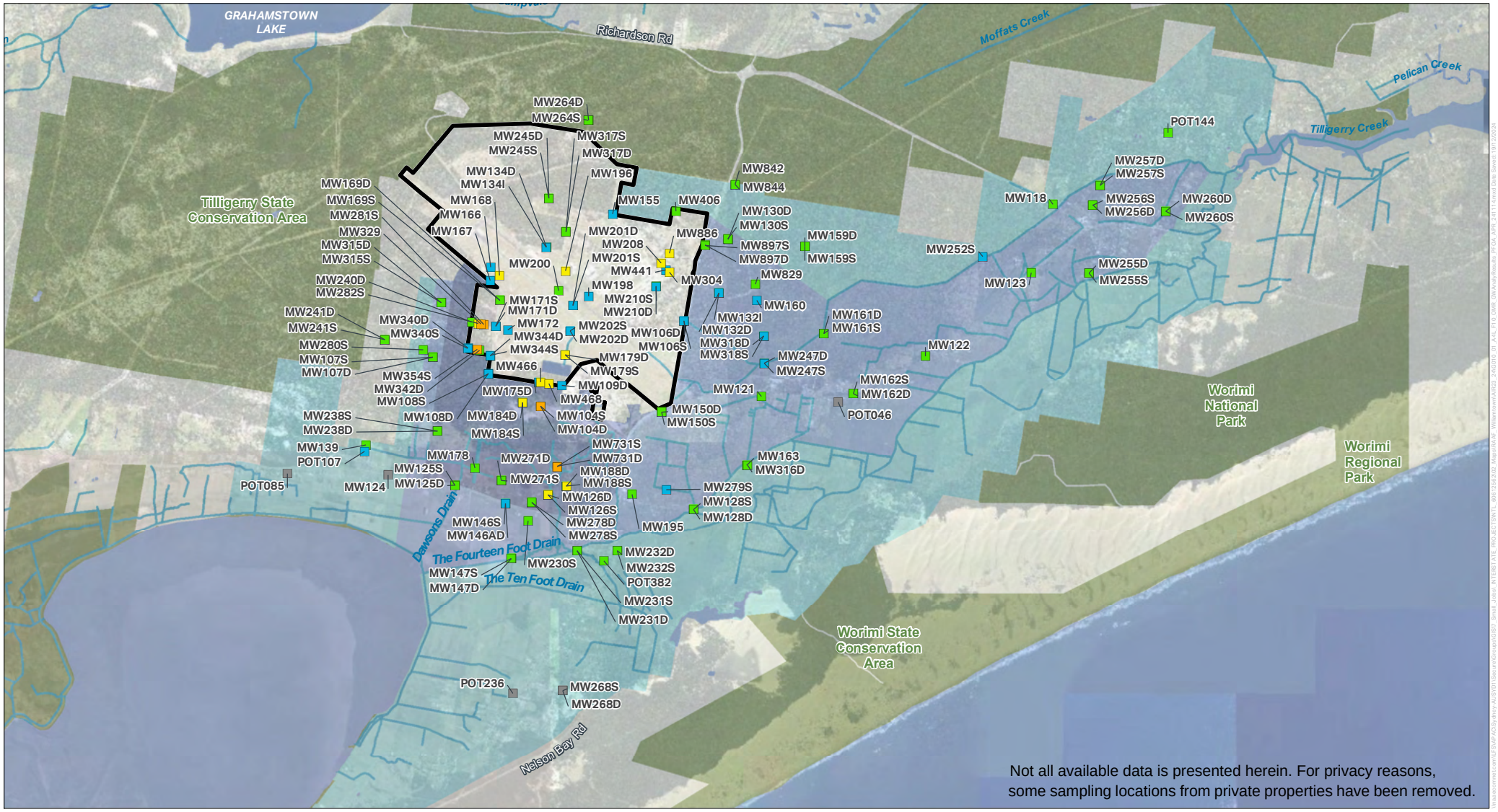

FIGURE F10: GROUNDWATER ANALYTICAL RESULTS - PFOA - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Watercourse

Groundwater PFOA (µg/L)

- > 50
- > 10 - 50
- > 0.56 - 10
- > 0.1 - 0.56
- Limit of Reporting - 0.1
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 0.5 1 km

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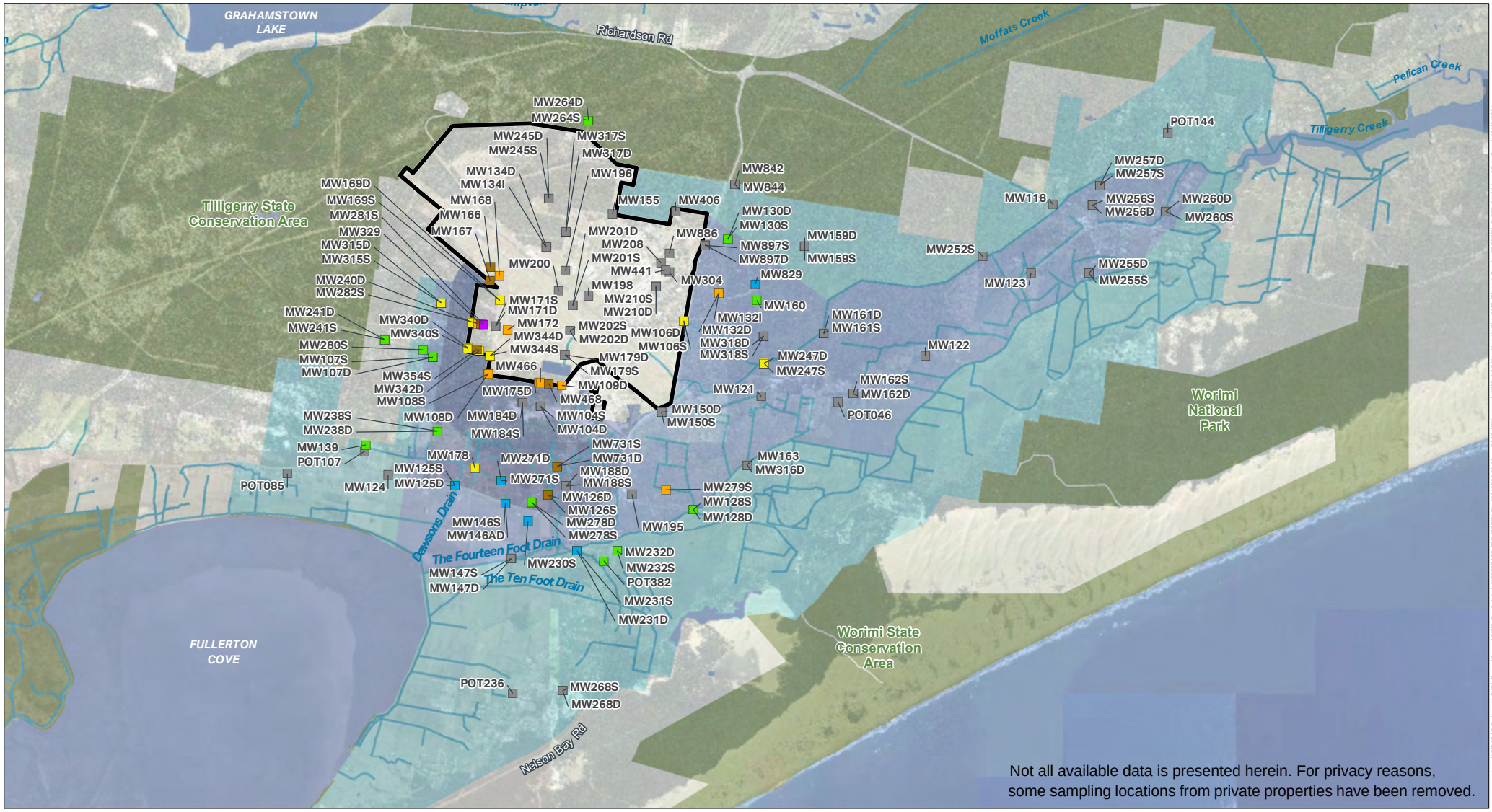

Not all available data is presented herein. For privacy reasons, some sampling locations from private properties have been removed.

FIGURE F11: GROUNDWATER ANALYTICAL RESULTS - PFOS+PFHXS - SEPTEMBER 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Watercourse

Groundwater PFOS + PFHxS (µg/L)

- > 50
- > 10 - 50
- > 1 - 10
- > 0.07 - 1
- Limit of Reporting - 0.07
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 0.5 1 km

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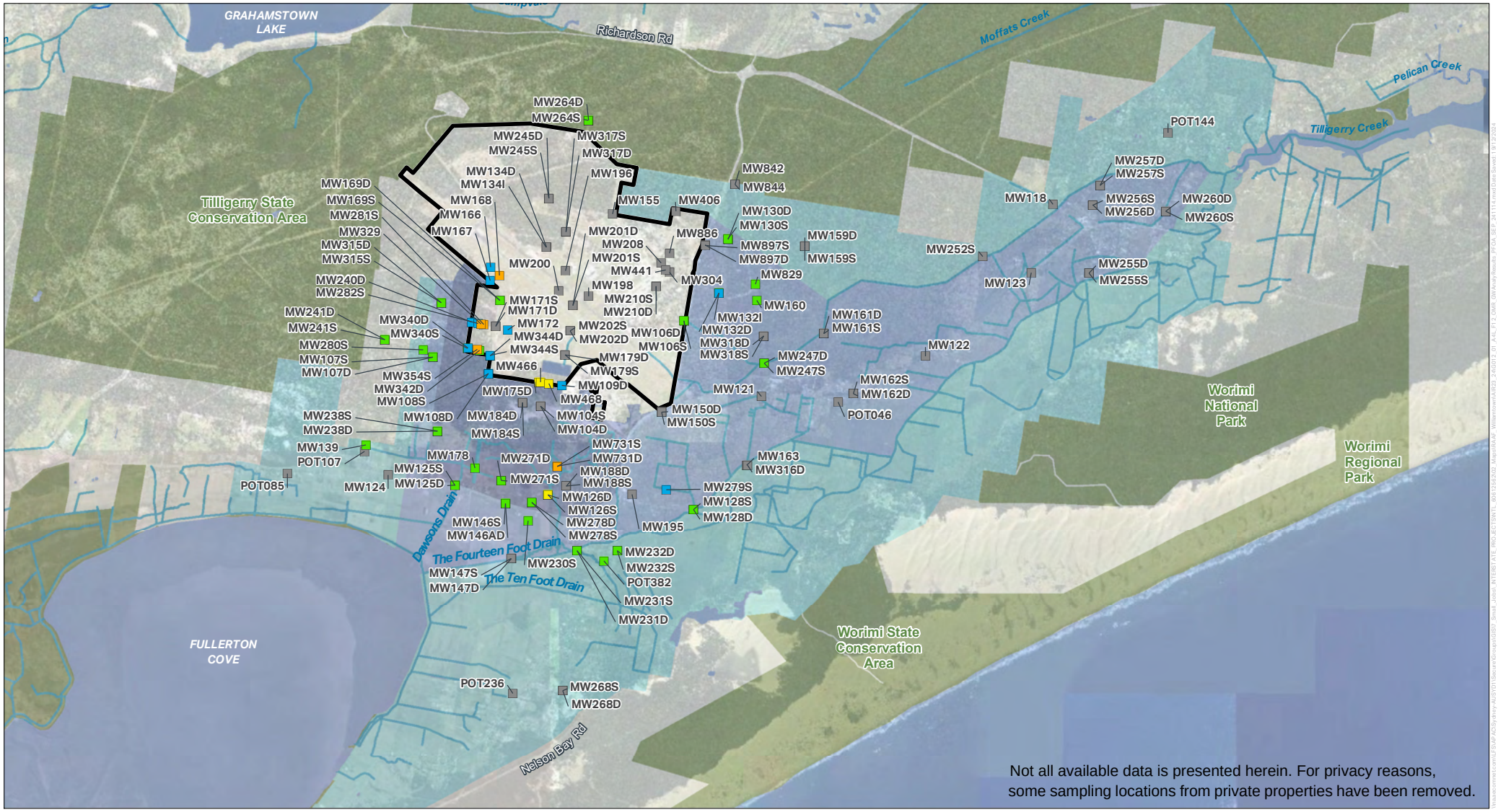

FIGURE F12: GROUNDWATER ANALYTICAL RESULTS - PFOA - SEPTEMBER 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Watercourse

Groundwater PFOA (µg/L)

- > 50
- > 10 - 50
- > 0.56 - 10
- > 0.1 - 0.56
- Limit of Reporting - 0.1
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 0.5 1 km

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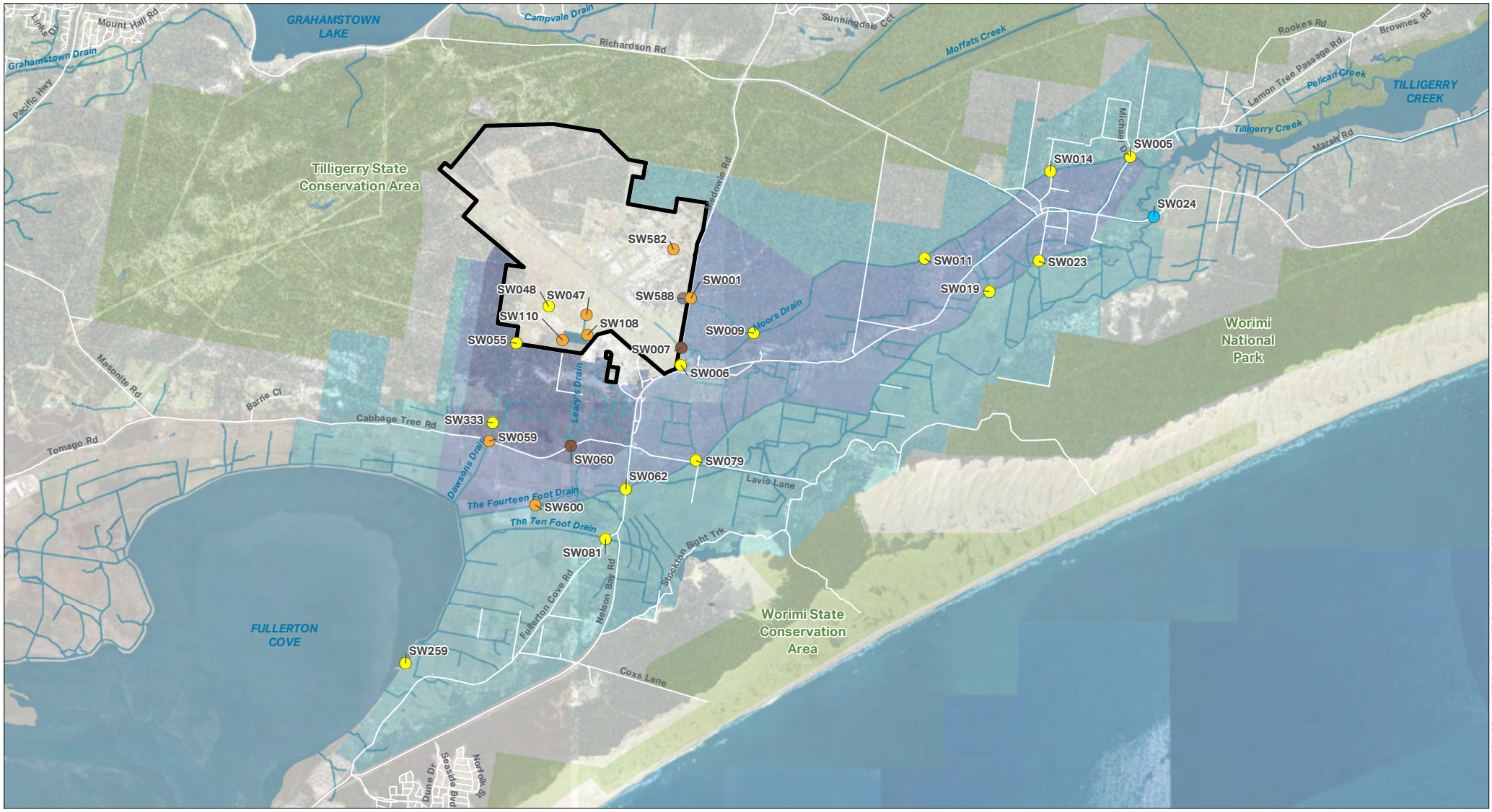

FIGURE F13: SURFACE WATER ANALYTICAL RESULTS - PFOS+PFHXS - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Surface Water PFOS + PFHxS (µg/L)

- > 50
- > 10 - 50
- > 2 - 10
- > 0.1 - 2
- Limit of Reporting - 0.1
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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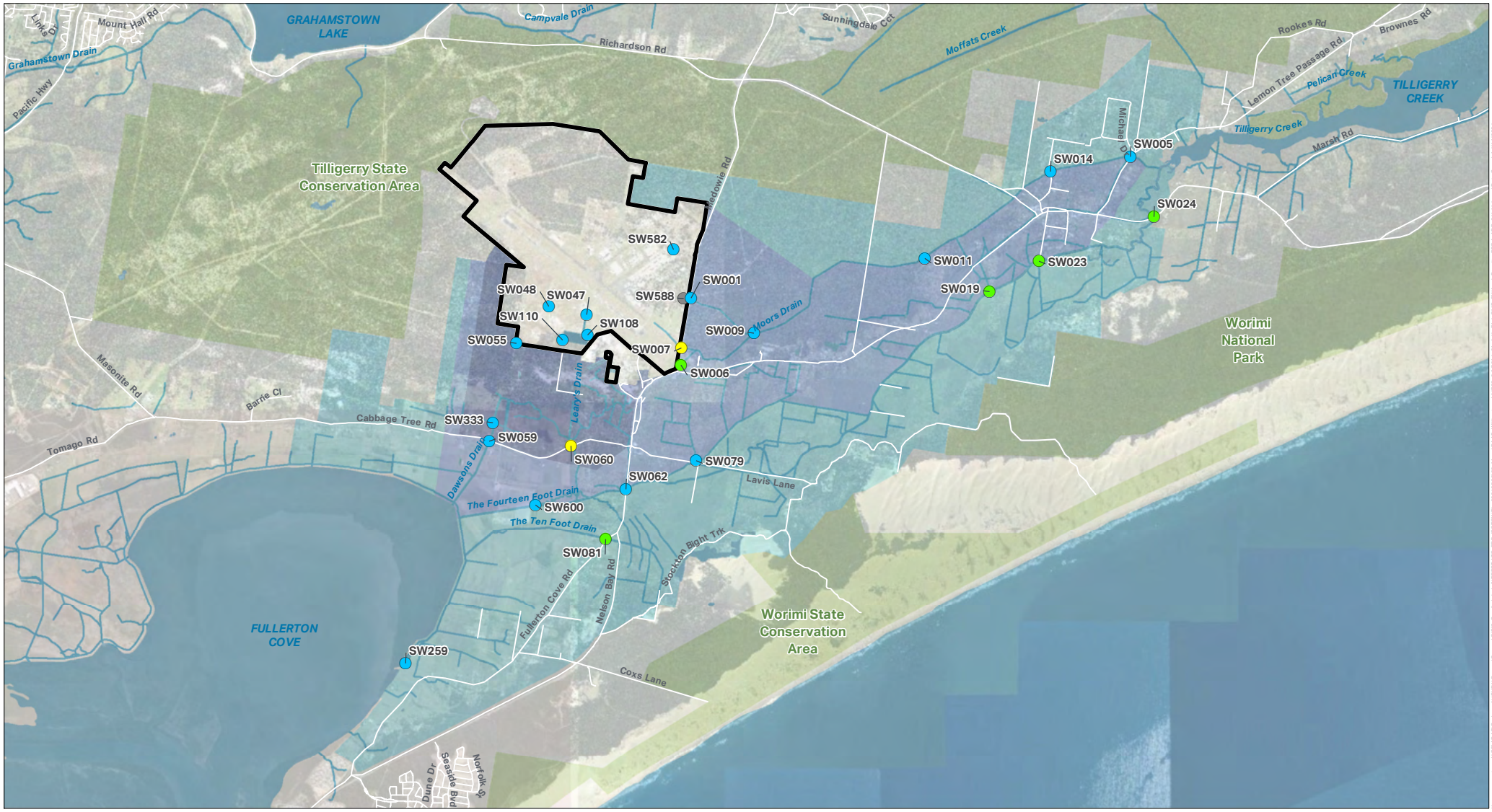

FIGURE F14: SURFACE WATER ANALYTICAL RESULTS - PFOA - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Surface Water PFOA (µg/L)

- > 50
- > 10 - 50
- > 0.56 - 10
- > 0.1 - 0.56
- Limit of Reporting - 0.1
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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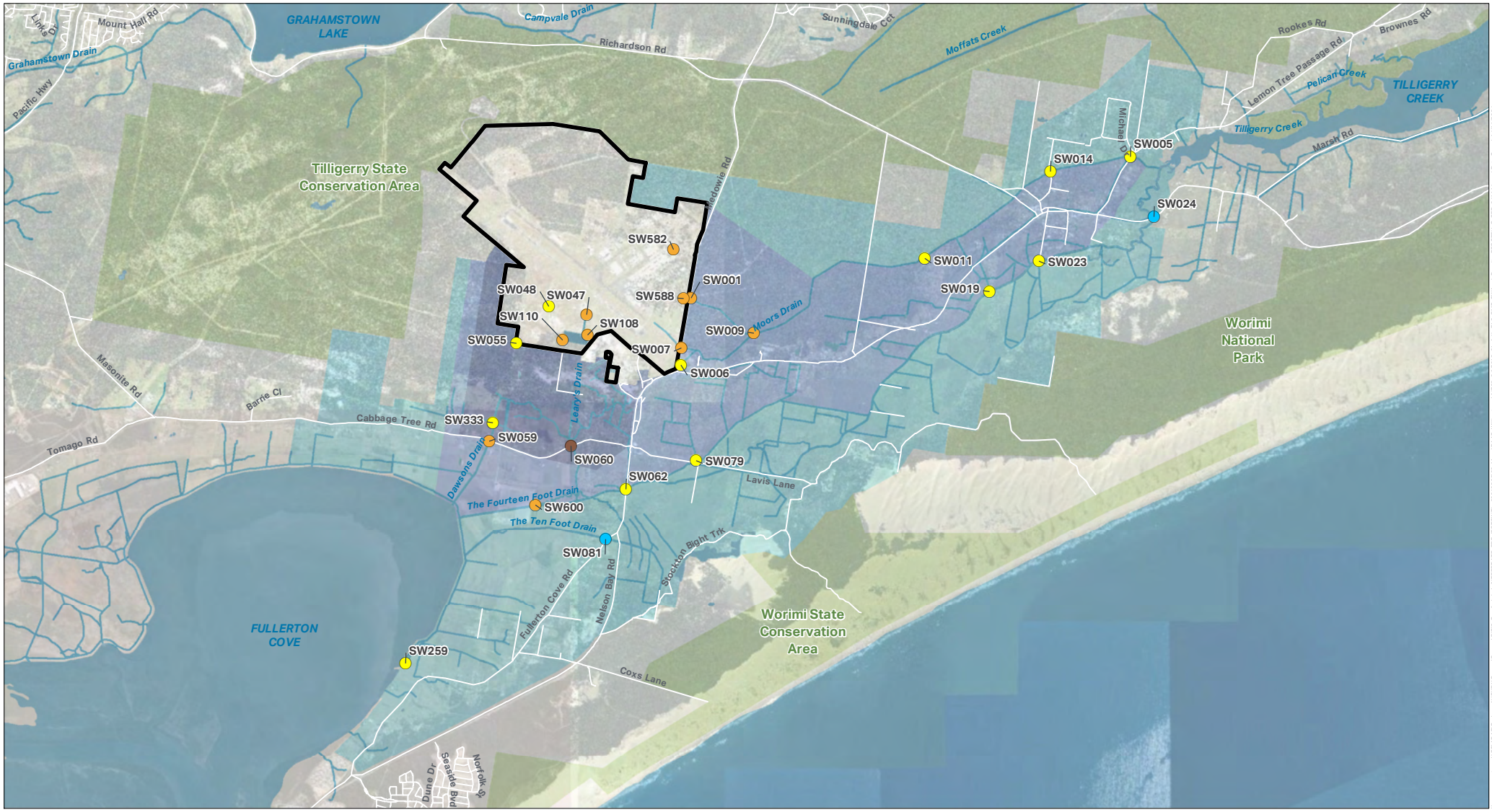

FIGURE F15: SURFACE WATER ANALYTICAL RESULTS - PFOS+PFHXS - SEPTEMBER 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Surface Water PFOS + PFHxS (µg/L)

- > 50
- > 10 - 50
- > 2 - 10
- > 0.1 - 2
- Limit of Reporting - 0.1
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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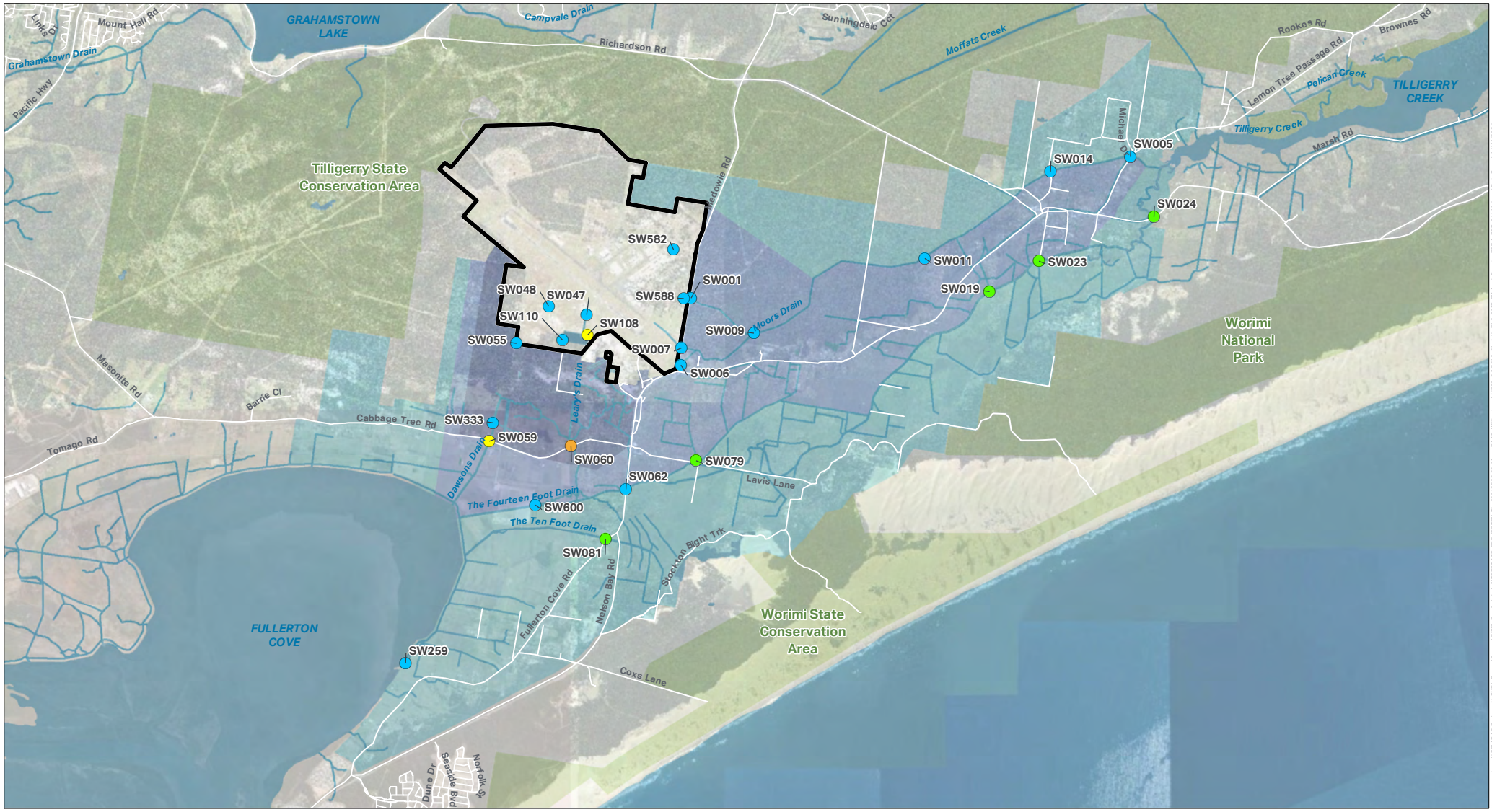

FIGURE F16: SURFACE WATER ANALYTICAL RESULTS - PFOA - SEPTEMBER 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Surface Water PFOA (µg/L)

- > 50
- > 10 - 50
- > 0.56 - 10
- > 0.1 - 0.56
- Limit of Reporting - 0.1
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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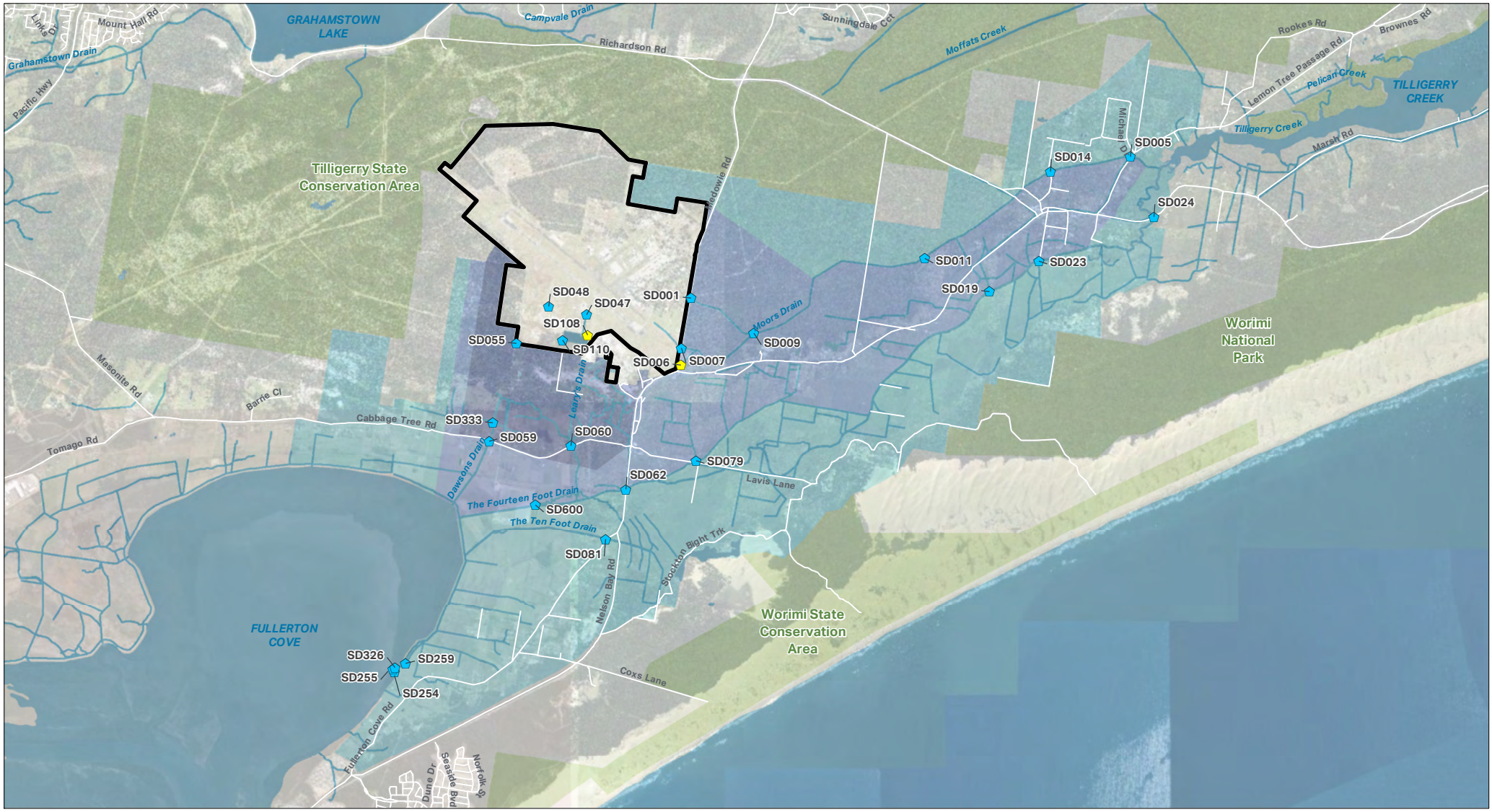

FIGURE F17: SEDIMENT ANALYTICAL RESULTS - PFOS+PFHXS - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Sediment - PFOS + PFHxS (mg/kg)

- > 50
- > 10 - 50
- > 0.2 - 1
- Limit of Reporting - 0.2
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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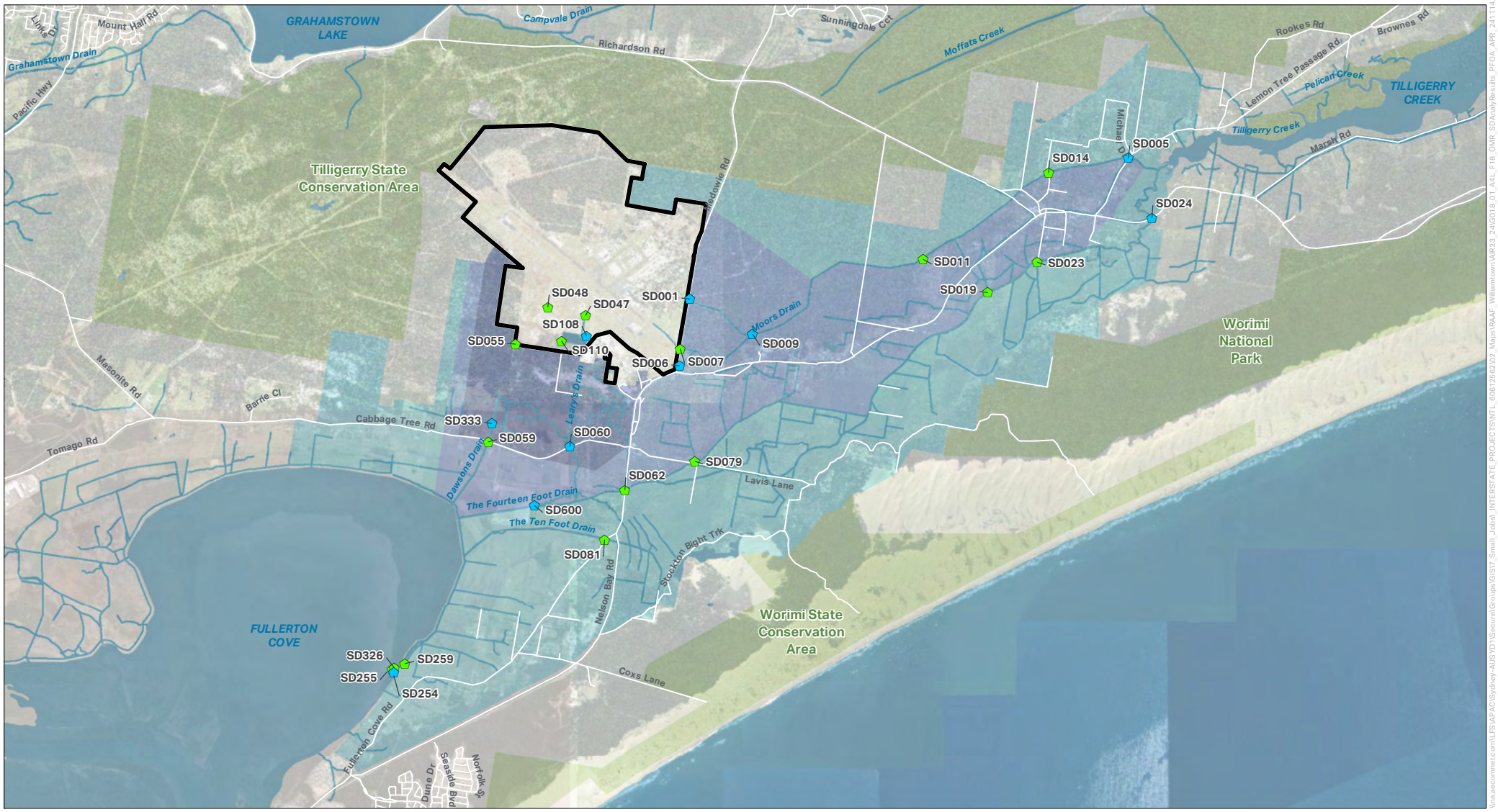

FIGURE F18: SEDIMENT ANALYTICAL RESULTS - PFOA - APRIL 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Sediment - PFOA (mg/kg)

- > 50
- > 10 -50
- > 0.2 - 10
- Limit of Reporting - 0.2
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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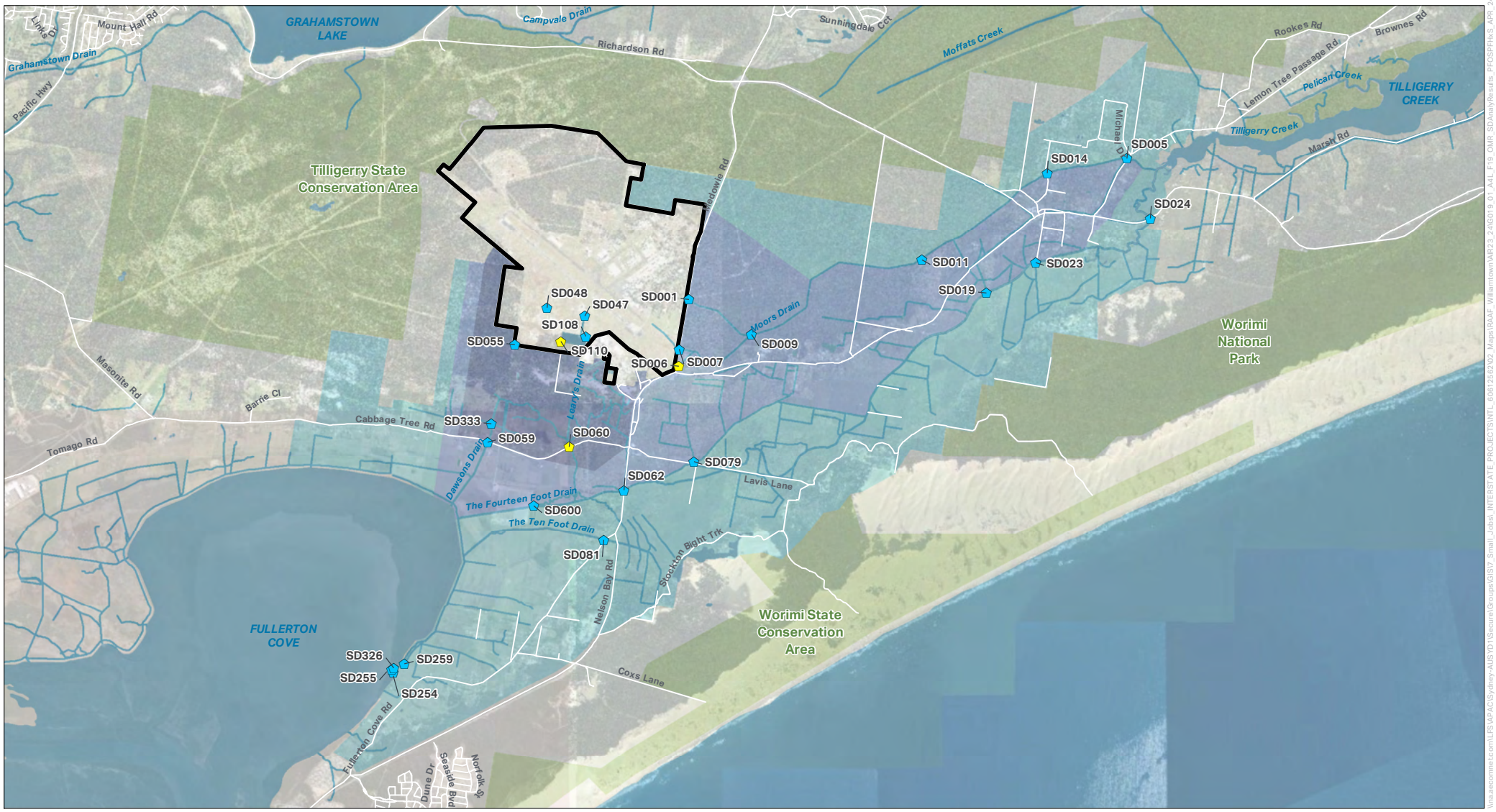

FIGURE F19: SEDIMENT ANALYTICAL RESULTS - PFOS+PFHXS - SEPTEMBER 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Sediment - PFOS + PFHxS (mg/kg)

- > 50
- > 10 - 50
- > 0.2 - 1
- Limit of Reporting - 0.2
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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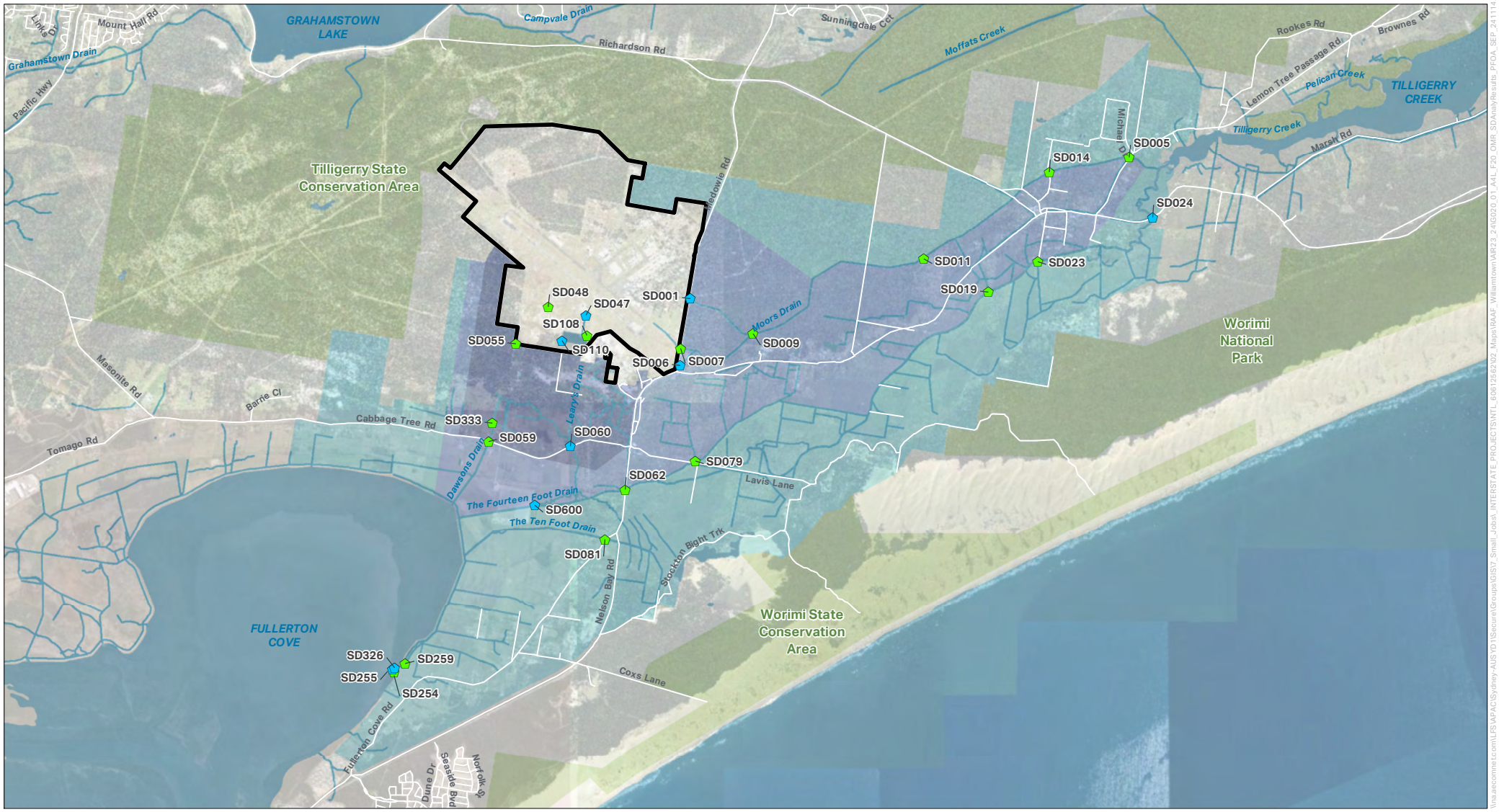

FIGURE F20: SEDIMENT ANALYTICAL RESULTS - PFOA - SEPTEMBER 2024

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Sediment - PFOA (mg/kg)

- > 50
- > 10 -50
- > 0.2 - 10
- Limit of Reporting - 0.2
- < Limit of Reporting
- Not Sampled/Accessed or in Scope

N

0 1 2 km

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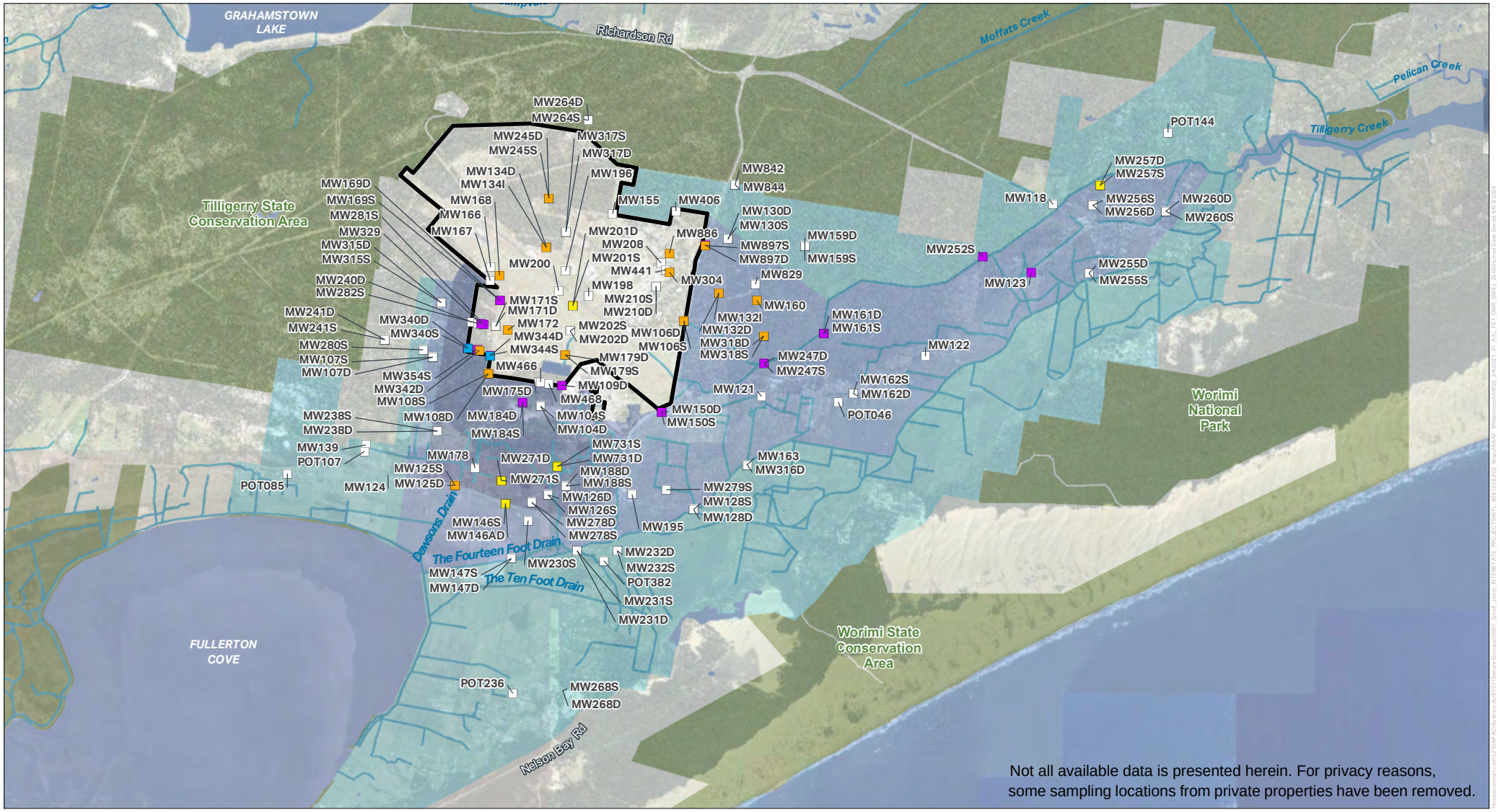

FIGURE F21: GROUNDWATER ANALYTICAL RESULT DEVIATIONS

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Watercourse
- First-time Detection of PFOS, PFOS +PFHxS and /or PFOA
- New Exceedance of Human Health and /or Ecological Screening Criteria for PFOS, PFOS +PFHxS and /or PFOA
- New Maximum of PFOS, PFOS +PFHxS and /or PFOA
- New Minimum of PFOS, PFOS +PFHxS and /or PFOA
- No Deviations in Monitoring Period

N

0 0.5 1 km

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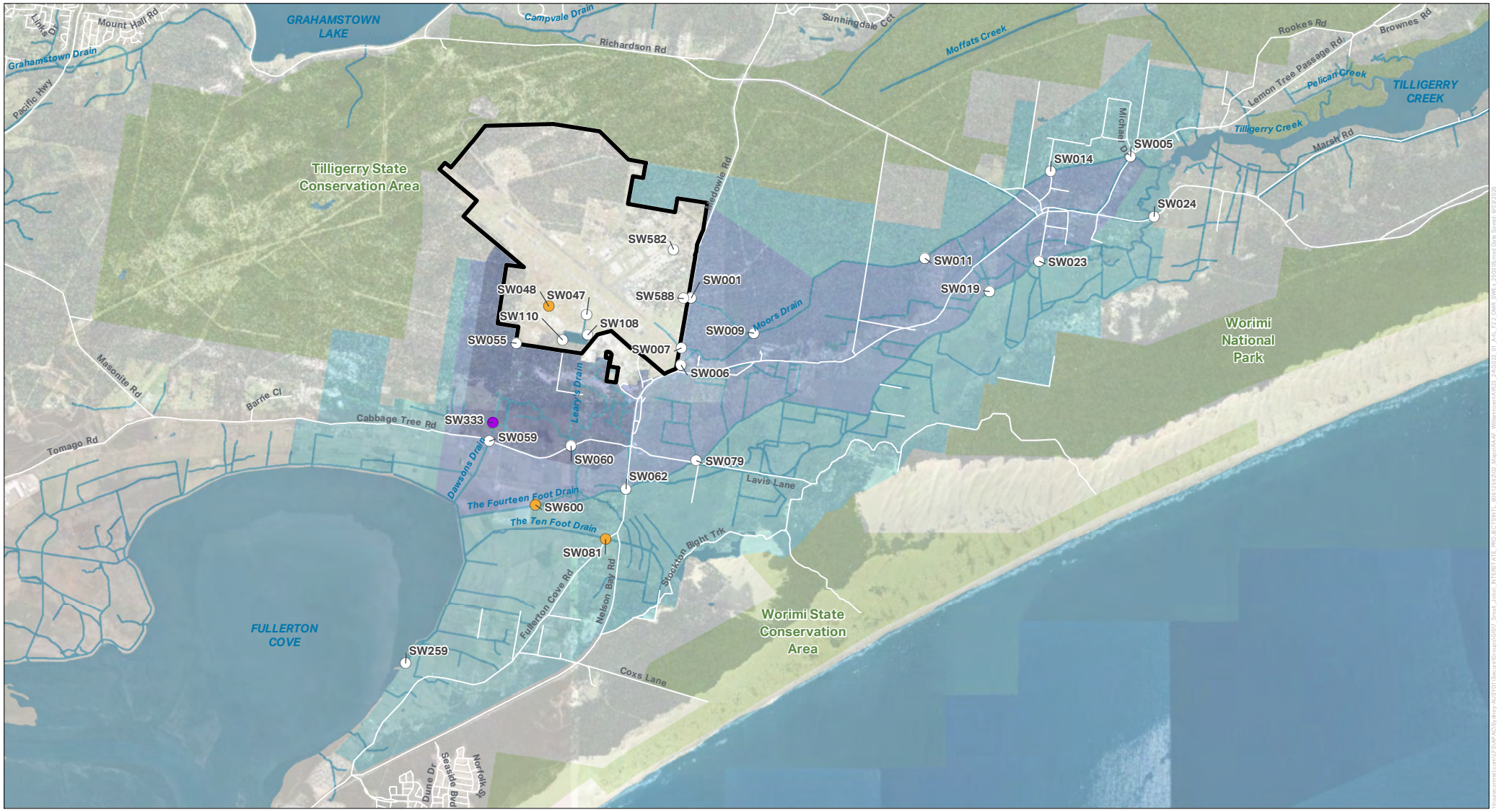

FIGURE F22: SURFACE WATER ANALYTICAL RESULT DEVIATIONS

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse
- First-time Detection of PFOS, PFOS +PFHxS and /or PFOA
- New Exceedance of Human Health and /or Ecological Screening Criteria for PFOS, PFOS +PFHxS and /or PFOA
- New Maximum of PFOS, PFOS +PFHxS and /or PFOA
- New Minimum of PFOS, PFOS +PFHxS and /or PFOA
- No Deviations in Monitoring Period

N

0 1 2 km

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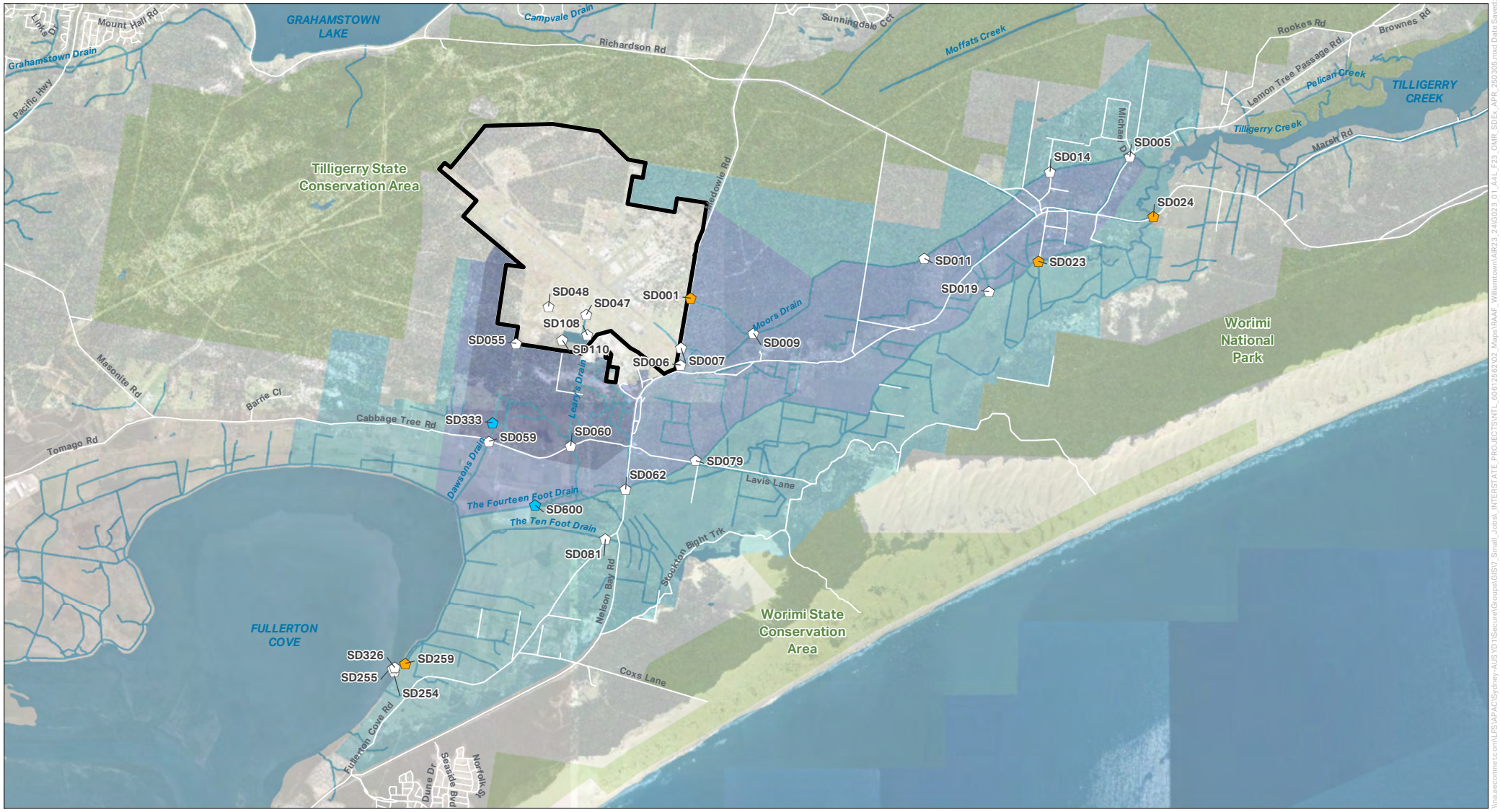

FIGURE F23: SEDIMENT ANALYTICAL RESULT DEVIATIONS

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse
- First-time Detection of PFOS, PFOS +PFHxS and /or PFOA
- New Exceedance of Human Health and /or Ecological Screening Criteria for PFOS, PFOS +PFHxS and /or PFOA
- New Maximum of PFOS, PFOS +PFHxS and /or PFOA
- New Minimum of PFOS, PFOS +PFHxS and /or PFOA
- No Deviations in Monitoring Period

N

0 1 2 km

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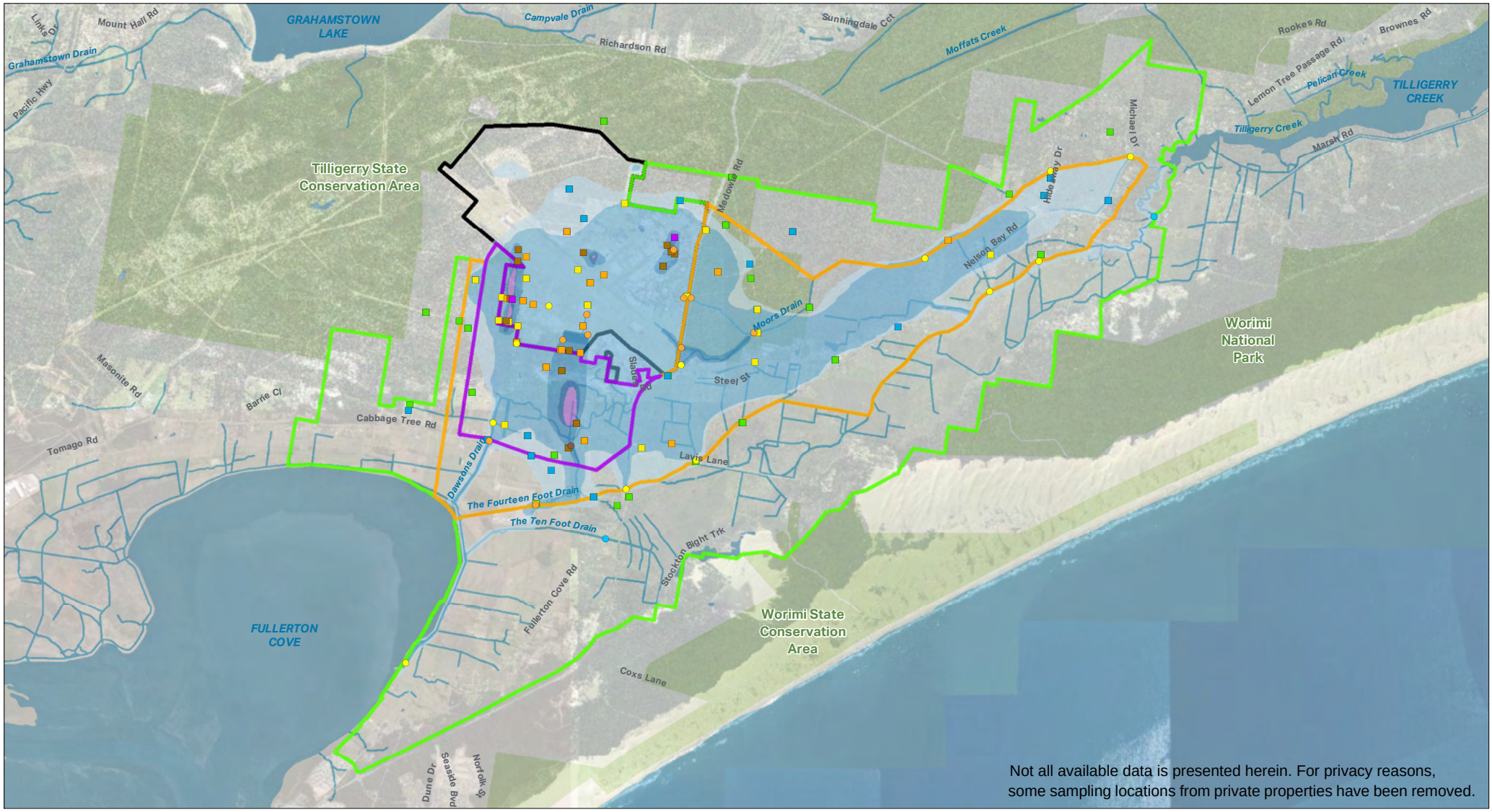

FIGURE F24: INFERRED EXTENT OF GROUNDWATER IMPACTS – PFOS+PFHxS

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- National Parks and Reserves
- Watercourse

Interpreted PFOS + PFHxS Concentration Ranges (µg/L)

- >100
- >50 - 100
- >10 - 50
- >0.07 - 10
- > Limit of Reporting - 0.07

GW PFOS + PFHxS Concentration (ug/L) 2023

- > 50
- > 10 - 50
- > 1 -10
- > 0.07 - 1
- Limit of Reporting - 0.07
- < Limit of Reporting
- Location Not Sampled

SW - PFOS + PFHxS Concentration (ug/L) 2023

- > 50
- > 10 - 50
- > 1 -10
- > 0.07 - 1
- Limit of Reporting - 0.07
- < Limit of Reporting
- Location Not Sampled

N

0 1 2 km

AECOM

PROJECT
PFAS OMP
RAAF BASE WILLIAMTOWN (0908)
ONGOING MONITORING REPORT (JANUARY 2024 - DECEMBER 2024)

CLIENT
DEPARTMENT OF DEFENCE

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Source: © Department of Customer Service 2020

Note: the inferred extent of high concentration PFAS plumes as presented are based on historical (2020 – 2021) data.

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Appendix B

Tables

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	On-base/Management Zone	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Gauging (or Visit) Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW104D	MW104_D	Primary Management Zone	3.919	18.5	20	18.50	24/04/2024 10:15	1.568	2.351	20.04	Good condition.
MW104S	MW104_S	Primary Management Zone	3.955	3.5	5	3.50	24/04/2024 10:24	1.605	2.350	4.64	Good condition. Ants nest over j-cap.
MW106D	MW106_D	On-base	4.77	18.5	20	18.50	19/04/2024 9:32	1.390	3.380	-	Targeted gauging round. Good condition.
MW106D	MW106_D	On-base	4.77	18.5	20	18.50	19/04/2024 9:35	1.390	3.380	18.06	Good condition.
MW106D	MW106_D	On-base	4.77	18.5	20	18.50	24/09/2024 16:09	1.270	3.500	19.51	Good condition. Gatic sedimented, cleared. Soft base, potentially sedimented. Hydrasleeve removed, after sampling (close out activity).
MW106D	MW106_D	On-base	4.77	18.5	20	n/a	27/09/2024 8:46	1.221	3.549	19.54	Targeted gauging round. Good condition.
MW106S	MW106_S	On-base	4.678	3.5	5	4.00	19/04/2024 9:22	1.351	3.327	-	Targeted gauging round. Good condition.
MW106S	MW106_S	On-base	4.678	3.5	5	4.00	19/04/2024 9:25	1.351	3.327	3.97	Good condition.
MW106S	MW106_S	On-base	4.678	3.5	5	3.00	24/09/2024 16:04	1.280	3.398	3.98	Good condition. Potential blockage at 4m. Missing bolts, not replaced due to rusted lugs. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW106S	MW106_S	On-base	4.678	3.5	5	n/a	27/09/2024 8:43	1.225	3.453	4.00	Targeted gauging round. Good condition. Potential blockage at 4m. Missing bolts, not replaced due to rusted lugs.
MW107D	MW107_D	Secondary Management Zone	3.362	18.5	20	18.50	23/04/2024 10:05	0.136	3.226	20.00	Good condition.
MW107D	MW107_D	Secondary Management Zone	3.362	18.5	20	18.50	23/09/2024 10:09	0.205	3.157	19.93	Good condition. Gatic full of sediment. Missing one bolt, not replaced due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW107S	MW107_S	Secondary Management Zone	3.322	2	5	3.00	23/04/2024 10:05	0.116	3.206	5.00	Good condition.
MW107S	MW107_S	Secondary Management Zone	3.322	2	5	3.00	23/09/2024 10:19	0.150	3.172	4.80	Good condition. Rusted lugs, missing one bolt, not replaced due to non-standard bolt size. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW108D	MW108_D	On-base	3.08	18.5	20	18.50	17/04/2024 15:42	0.451	2.629	19.59	Good condition.
MW108D	MW108_D	On-base	3.08	18.5	20	18.50	24/09/2024 11:26	0.483	2.597	19.56	Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW108S	MW108_S	On-base	2.95	2	5	3.00	17/04/2024 15:32	0.365	2.585	3.37	Good condition.
MW108S	MW108_S	On-base	2.95	2	5	3.00	24/09/2024 11:20	0.390	2.560	4.37	Good condition. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW109D	MW109_D	On-base	3.157	18.5	20	18.00	18/04/2024 10:25	0.200	2.957	18.91	Good condition.
MW109D	MW109_D	On-base	3.157	18.5	20	18.00	24/09/2024 12:18	0.251	2.906	18.96	Good condition. Soft base, potentially sedimented. Hydrasleeve removed, after sampling (close out activity).
MW118		Broader Management Zone	1.674	4.5	6	4.50	16/04/2024 16:20	0.601	1.073	5.87	Good condition.
MW121		Secondary Management Zone	1.589	4.5	6	4.75	16/04/2024 9:24	0.496	1.093	5.96	Good condition. Ants nest inside well.
MW122		Secondary Management Zone	1.851	5.5	7	6.00	16/04/2024 13:40	1.354	0.497	6.97	Good condition.
MW122		Secondary Management Zone	1.851	5.5	7	6.00	19/04/2024 8:23	1.367	0.484	-	Targeted gauging round. Good condition.
MW122		Secondary Management Zone	1.851	5.5	7	6.00	27/09/2024 11:49	1.043	0.808	6.96	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW123		Secondary Management Zone	1.524	4.5	6	4.75	16/04/2024 14:05	0.933	0.591	5.98	Good condition.
MW123		Secondary Management Zone	1.524	4.5	6	4.75	19/04/2024 8:19	0.949	0.575	-	Targeted gauging round. Good condition.
MW123		Secondary Management Zone	1.524	4.5	6	4.75	27/09/2024 23:45	0.587	0.937	5.93	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW124		Broader Management Zone	2.42	6	7.5	n/a	19/04/2024 8:52	1.118	1.302	-	Targeted gauging round. Good condition.
MW124		Broader Management Zone	2.42	6	7.5	n/a	27/09/2024 10:44	1.074	1.346	7.38	Targeted gauging round. Good condition.
MW125D	MW125_D	Secondary Management Zone	2.173	18.5	20	19.25	16/04/2024 12:41	1.266	0.907	20.22	Good condition, J-cap preventing lid to be fastened.
MW125D	MW125_D	Secondary Management Zone	2.173	18.5	20	19.25	19/04/2024 8:47	1.286	0.887	-	Targeted gauging round. Good condition, J-cap preventing lid to be fastened.
MW125D	MW125_D	Secondary Management Zone	2.173	18.5	20	19.25	23/09/2024 13:26	1.353	0.820	20.23	Good condition.Unable to close gatic lid due to PVC/J-cap height. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW125D	MW125_D	Secondary Management Zone	2.173	18.5	20	n/a	27/09/2024 10:33	1.155	1.018	20.26	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height.
MW125S	MW125_S	Secondary Management Zone	2.197	6	7.5	6.50	16/04/2024 12:53	1.308	0.889	7.47	Good condition, J-cap preventing lid to be fastened.
MW125S	MW125_S	Secondary Management Zone	2.197	6	7.5	6.50	19/04/2024 8:48	1.330	0.867	-	Targeted gauging round. Good condition.
MW125S	MW125_S	Secondary Management Zone	2.197	6	7.5	6.50	23/09/2024 13:31	1.394	0.803	7.48	Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW125S	MW125_S	Secondary Management Zone	2.197	6	7.5	n/a	27/09/2024 10:37	1.201	0.996	7.48	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height.
MW126D	MW126_D	Primary Management Zone	1.794	18.5	20	19.50	16/04/2024 10:00	0.935	0.859	18.72	Good condition.
MW126D	MW126_D	Primary Management Zone	1.794	18.5	20	19.50	19/04/2024 8:32	0.954	0.840	-	Targeted gauging round. Good condition.
MW126D	MW126_D	Primary Management Zone	1.794	18.5	20	19.50	23/09/2024 12:41	1.044	0.750	20.32	Good condition. Soft base. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW126D	MW126_D	Primary Management Zone	1.794	18.5	20	n/a	27/09/2024 10:12	0.792	1.002	20.31	Targeted gauging round. Good condition.
MW126S	MW126_S	Primary Management Zone	1.79	5.5	7	5.50	16/04/2024 10:32	0.924	0.866	6.50	Good condition.
MW126S	MW126_S	Primary Management Zone	1.79	5.5	7	5.50	19/04/2024 8:32	0.946	0.844	-	Targeted gauging round. Good condition.
MW126S	MW126_S	Primary Management Zone	1.79	5.5	7	5.50	23/09/2024 12:51	1.034	0.756	6.58	Good condition. Rusted lugs. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW126S	MW126_S	Primary Management Zone	1.79	5.5	7	n/a	27/09/2024 10:07	0.782	1.008	6.58	Targeted gauging round. Good condition. Rusted lugs.
MW128D	MW128_D	Broader Management Zone	0.843	9.3	10.3	9.50	16/04/2024 10:20	0.276	0.567	10.44	Good condition.
MW128D	MW128_D	Broader Management Zone	0.843	9.3	10.3	9.50	25/09/2024 12:46	0.258	0.585	10.45	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW128S	MW128_S	Broader Management Zone	0.909	4.7	6.2	5.00	16/04/2024 10:20	0.972	-0.063	6.10	Good condition.
MW128S	MW128_S	Broader Management Zone	0.909	4.7	6.2	5.00	25/09/2024 12:55	1.055	-0.146	6.14	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW130D	MW130_D	Secondary Management Zone	5.858	15	16.5	15.00	24/04/2024 9:39	1.056	4.802	16.47	Good condition.
MW130D	MW130_D	Secondary Management Zone	5.858	15	16.5	15.00	26/09/2024 9:24	0.451	5.407	16.47	Good condition. Rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW130S	MW130_S	Secondary Management Zone	5.794	1	4	2.50	24/04/2024 9:33	1.096	4.698	3.84	Good condition.
MW130S	MW130_S	Secondary Management Zone	5.794	1	4	2.50	26/09/2024 9:29	0.386	5.408	3.83	Good condition. Rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW132D	MW132_D	Secondary Management Zone	6.138	15	16.5	15.00	22/04/2024 14:07	2.860	3.278	16.50	Good condition, J-cap preventing lid to be fastened.
MW132D	MW132_D	Secondary Management Zone	6.138	15	16.5	15.00	26/09/2024 10:02	2.351	3.787	16.10	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW132I	MW132_I	Secondary Management Zone	6.164	8.4	9.9	8.30	22/04/2024 14:05	2.760	3.322	9.78	Good condition. Ants nest, rusted lugs, no bolts.
MW132I	MW132_I	Secondary Management Zone	6.164	8.4	9.9	8.30	26/09/2024 10:06	2.346	3.818	9.79	Good condition. Rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW134D	MW134_D	On-base	8.75	18.5	20	18.75	17/04/2024 9:27	2.365	6.385	19.93	Good condition.
MW134I	MW134_I	On-base	8.71	10	11.5	10.25	17/04/2024 9:35	2.310	6.400	11.45	Good condition. Ants nest in well.
MW139		Broader Management Zone	1.986	1	4	2.50	23/04/2024 11:01	0.353	1.633	3.90	Good condition.
MW139		Broader Management Zone	1.986	1	4	2.50	19/09/2024 13:16	0.337	1.649	3.92	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW146AD	MW146D_A	Secondary Management Zone	1.62	18.5	20	19.00	16/04/2024 11:02	0.800	0.820	20.09	Good condition. Lugs rusted.
MW146AD	MW146D_A	Secondary Management Zone	1.62	18.5	20	19.00	19/04/2024 8:42	0.824	0.796	-	Targeted gauging round. Good condition.
MW146AD	MW146D_A	Secondary Management Zone	1.62	18.5	20	19.00	23/09/2024 13:11	0.874	0.746	20.08	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW146AD	MW146D_A	Secondary Management Zone	1.62	18.5	20	n/a	27/09/2024 10:24	0.631	0.989	20.09	Targeted gauging round. Good condition.
MW146S	MW146_S	Secondary Management Zone	1.802	0.8	3.8	2.00	16/04/2024 10:50	0.957	0.845	3.75	Good condition, J-cap preventing lid to be fastened.
MW146S	MW146_S	Secondary Management Zone	1.802	0.8	3.8	2.00	19/04/2024 8:40	0.973	0.829	-	Targeted gauging round. Good condition, J-cap preventing lid to be fastened.
MW146S	MW146_S	Secondary Management Zone	1.802	0.8	3.8	2.00	23/09/2024 13:04	1.025	0.777	3.78	Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW146S	MW146_S	Secondary Management Zone	1.802	0.8	3.8	n/a	27/09/2024 10:25	0.799	1.003	3.78	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height.
MW147D	MW147_D	Secondary Management Zone	0.81	23.7	26.7	24.00	22/04/2024 13:37	0.320	0.490	26.75	Good condition.
MW147S	MW147_S	Secondary Management Zone	0.71	1	4	2.50	22/04/2024 13:47	0.445	0.265	4.18	Good condition.
MW150D	MW150_D	Secondary Management Zone	2.143	18.5	20	18.50	16/04/2024 8:49	0.681	1.462	20.26	Good condition. Well gatic full of soft bentonite around j-cap, removed prior to opening well.
MW150S	MW150_S	Secondary Management Zone	2.111	0.6	3.6	1.60	16/04/2024 9:04	0.596	1.515	3.61	Good condition.
MW155	MW155D	On-base	7.96	1.5	3.8	2.00	17/04/2024 12:53	1.335	6.625	3.50	Good condition.
MW155	MW155D	On-base	7.96	1.5	3.8	2.00	29/07/2024 9:10	0.808	7.152	3.54	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW155	MW155D	On-base	7.96	1.5	3.8	2.00	31/07/2024 11:52	0.821	7.139	3.55	Resampling visit in July. Good condition
MW159D	MW159_D	Broader Management Zone	5.26	18.5	20	19.70	22/04/2024 14:30	2.200	3.060	21.24	Good condition.
MW159D	MW159_D	Broader Management Zone	5.26	18.5	20	19.70	30/07/2024 10:40	1.354	3.906	21.25	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW159D	MW159_D	Broader Management Zone	5.26	18.5	20	19.70	31/07/2024 10:36	1.367	3.893	21.25	Resampling visit in July. Good condition

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	On-base/Management Zone	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Gauging (or Visit) Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW159S	MW159_S	Broader Management Zone	4.987	0.7	3.7	3.00	22/04/2024 14:50	1.942	3.045	4.47	Good condition.
MW159S	MW159_S	Broader Management Zone	4.987	0.7	3.7	3.00	30/07/2024 9:50	1.093	3.894	4.46	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW159S	MW159_S	Broader Management Zone	4.987	0.7	3.7	3.00	31/07/2024 10:24	1.112	3.875	4.50	Resampling visit in July. Good condition
MW160		Secondary Management Zone	4.212	1	4	2.50	22/04/2024 11:45	1.643	2.569	4.02	Good condition.
MW160		Secondary Management Zone	4.212	1	4	2.50	26/09/2024 10:38	1.116	3.096	4.02	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW161D	MW161_D	Secondary Management Zone	2.057	18.8	23.3	18.80	22/04/2024 16:20	0.545	1.512	20.27	Good condition.
MW161S	MW161_S	Secondary Management Zone	2.052	1	4	2.50	22/04/2024 17:04	0.553	1.499	4.00	Good condition.
MW162D	MW162_D	Secondary Management Zone	2.876	18.6	20.1	19.25	16/04/2024 13:18	2.246	0.630	18.60	Good condition.
MW162D	MW162_D	Secondary Management Zone	2.876	18.6	20.1	19.25	19/04/2024 8:28	2.239	0.637	-	Targeted gauging round. Good condition.
MW162D	MW162_D	Secondary Management Zone	2.876	18.6	20.1	19.25	27/09/2024 11:33	1.896	0.980	20.17	Targeted gauging round. Good condition. Rusted lugs. Hydrasleeve removed (close out activity).
MW162S	MW162_S	Secondary Management Zone	2.838	1.5	4.5	2.50	16/04/2024 13:25	2.199	0.639	4.21	Good condition.
MW162S	MW162_S	Secondary Management Zone	2.838	1.5	4.5	2.50	19/04/2024 8:30	2.196	0.642	-	Targeted gauging round. Good condition.
MW162S	MW162_S	Secondary Management Zone	2.838	1.5	4.5	2.50	27/09/2024 11:40	1.764	1.074	4.22	Targeted gauging round. Good condition. Soft base. Hydrasleeve removed (close out activity).
MW163		Broader Management Zone	1.207	0.5	3.5	2.50	16/04/2024 11:15	1.048	0.159	4.10	Good condition.
MW166		On-base	7.1	0.8	3.8	2.50	17/04/2024 11:03	1.470	5.630	3.65	Good condition. Partially buried.
MW166		On-base	7.1	0.8	3.8	2.50	24/09/2024 10:19	1.100	6.000	3.65	Good condiiton. Missing one bolt, not replaced due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW167		On-base	7.19	0.7	3.7	2.50	17/04/2024 11:28	2.400	4.790	4.28	Good condition. Data logger.
MW167		On-base	7.19	0.7	3.7	2.50	24/09/2024 10:33	2.080	5.110	4.30	Good condition. Top of Hydrasleeve above water level, DTW measured after removal. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW168		On-base	6.78	0.7	3.7	2.50	17/04/2024 11:14	1.525	5.255	3.42	Good condition. Lugs rusted.
MW168		On-base	6.78	0.7	3.7	2.50	24/09/2024 10:44	1.238	5.542	3.45	Good condition. Data logger present. Soft base. Unable to replace missing bolts due to rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW169D	MW169_D	On-base	5.8	18	19.5	18.50	17/04/2024 11:44	1.035	4.765	19.28	Good condition. Partially buried and gatic full of water below TOC. Water drained before opening well.
MW169D	MW169_D	On-base	5.8	18	19.5	18.50	24/09/2024 11:05	0.818	4.982	19.30	Good condition. Unable to replace bolts due to rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW169S	MW169_S	On-base	5.83	0.7	3.7	2.50	17/04/2024 11:38	1.050	4.780	3.68	Good condition. Partially buried.
MW169S	MW169_S	On-base	5.83	0.7	3.7	2.50	24/09/2024 10:59	0.832	4.998	3.70	Good condition. Data logger present. Unable to replace missing bolts due to rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW171D	MW171_D	On-base	4.97	18.8	20.3	18.80	17/04/2024 14:43	0.768	4.202	20.39	Good condition.
MW171S	MW171_S	On-base	5.02	0.7	3.7	1.80	17/04/2024 14:51	0.833	4.187	3.37	Good condition.
MW172		On-base	4.88	0.7	3.7	2.50	17/04/2024 14:59	0.640	4.240	3.31	Good condition. Dirt removed, lugs rusted. Ants nest.
MW172		On-base	4.88	0.7	3.7	2.50	24/09/2024 13:45	0.528	4.352	3.33	Good condition. Data logger present. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW175D	MW175_D	On-base	4.11	19.5	21	20.25	17/04/2024 15:44	1.280	2.830	21.48	Good condition.
MW175D	MW175_D	On-base	4.11	19.5	21	20.25	24/09/2024 11:54	1.311	2.799	21.50	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW178		Primary Management Zone	1.76	1.2	4.2	2.50	22/04/2024 14:32	0.575	1.185	4.19	Good condition.
MW178		Primary Management Zone	1.76	1.2	4.2	2.50	23/09/2024 14:09	0.671	1.089	4.19	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW179D	MW179_D	On-base	4.76	18.5	20	18.75	18/04/2024 8:32	0.945	3.815	19.49	Good condition. Partially buried, covered by temporary hessian barrier.
MW179S	MW179_S	On-base	4.71	0.8	3.8	2.50	18/04/2024 8:30	0.930	3.780	3.70	Good condition.
MW184D	MW184_D	Primary Management Zone	3.073	18.5	20	18.50	24/04/2024 10:48	0.690	2.383	20.24	Good condition.
MW184S	MW184_S	Primary Management Zone	3.106	1	4	2.00	24/04/2024 10:57	0.698	2.408	3.97	Good condition. No lid. To be replaced.
MW188D	MW188_D	Primary Management Zone	1.354	18.5	20	18.50	16/04/2024 17:30	0.448	0.906	19.94	Good condition. Lugs rusted. No Hydrasleeve in well, new Hydrasleeve installed.
MW188D	MW188_D	Primary Management Zone	1.354	18.5	20	18.50	18/04/2024 15:12	0.554	0.800	19.97	Good condition.
MW188D	MW188_D	Primary Management Zone	1.354	18.5	20	-	19/04/2024 8:26	0.468	0.886	-	Targeted gauging round. Good condition.
MW188D	MW188_D	Primary Management Zone	1.354	18.5	20	18.50	27/09/2024 9:54	0.311	1.043	19.97	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed (close out activity).
MW188S	MW188_S	Primary Management Zone	1.439	0.8	3.8	1.80	16/04/2024 9:32	0.702	0.737	3.77	Good condition. Lugs rusted.
MW188S	MW188_S	Primary Management Zone	1.439	0.8	3.8	-	19/04/2024 8:28	0.688	0.751	-	Targeted gauging round. Good condition. Lugs rusted.
MW188S	MW188_S	Primary Management Zone	1.439	0.8	3.8	1.80	27/09/2024 9:47	0.525	0.914	3.80	Targeted gauging round. Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed (close out activity).
MW195		Secondary Management Zone	1.05	0.8	3.8	2.00	16/04/2024 12:21	0.170	0.880	3.82	Good condition.
MW196		On-base	6.76	0.8	3.8	2.50	17/04/2024 9:01	1.015	5.745	2.43	Good condition.
MW198		On-base	6.11	0.8	3.8	2.50	18/04/2024 9:12	1.185	4.925	3.79	Good condition. Good condition. No well gatic lid for safety reasons. Lid cannot be secured firmly, and well located in taxy way.
MW200		On-base	6.47	1	4	2.00	17/04/2024 8:52	1.150	5.320	3.67	Good condition.
MW201D	MW201_D	On-base	5.81	18.1	19.6	18.30	17/04/2024 8:43	0.925	4.885	11.95	Good condition. Partially buried in grass.
MW201S	MW201_S	On-base	5.8	1	4	2.00	17/04/2024 8:33	0.945	4.855	3.99	Good condition.
MW202D	MW202_D	On-base	5.17	19.5	21	19.50	18/04/2024 8:15	1.125	4.045	20.72	Good condition. Partially covered with ashphalt, which was displaced before opening well.
MW202S	MW202_S	On-base	5.21	0.8	3.8	2.50	18/04/2024 8:22	1.165	4.045	3.80	Good condition. Ants nest.
MW208		On-base	6.99	1.2	4.2	2.00	17/04/2024 10:56	2.128	4.862	-	Good condition. Well likely blocked at 3.3 mbTOC. Unable to dislodge blockage.
MW210D	MW210_D	On-base	7.35	18.5	20	18.50	17/04/2024 9:43	2.904	4.446	20.09	Good condition.
MW210S	MW210_S	On-base	7.22	2	5	2.00	17/04/2024 9:35	2.775	4.445	4.75	Good condition.
MW230S	MW230_S	Secondary Management Zone	0.939	2.5	4	3.00	23/04/2024 14:22	0.035	0.904	3.99	Good condition. Sedimented and gatic full of water below TOC. Water drained before opening well.
MW230S	MW230_S	Secondary Management Zone	0.939	2.5	4	3.00	19/09/2024 11:24	0.120	0.819	4.00	Good condition. Flooded above TOC. Missing one bolt, couldn't be replaced due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW231D	MW231_D	Broader Management Zone	0.571	16	17.5	16.00	23/04/2024 17:23	0.000	0.571	17.57	Good condition. Gatic full of water above TOC. SWL to TOC upon opening well cap. Water drained before opening well.
MW231D	MW231_D	Broader Management Zone	0.571	16	17.5	16.00	20/09/2024 13:57	0.140	0.431	17.580	Good condition. Rusted lugs. Erosion next to well. Hydrasleeve removed, after sampling (close out activity).
MW231S	MW231_S	Broader Management Zone	0.625	1	4	2.50	23/04/2024 16:47	0.091	0.534	3.99	Good condition.
MW231S	MW231_S	Broader Management Zone	0.625	1	4	2.50	20/09/2024 13:49	0.823	-0.198	4.00	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW232D	MW232_D	Broader Management Zone	1.324	18.5	20	-	19/04/2024 8:17	0.806	0.518	-	Targeted gauging round. Good condition.
MW232D	MW232_D	Broader Management Zone	1.324	18.5	20	18.50	22/04/2024 11:38	0.600	0.724	20.02	Good condition.
MW232D	MW232_D	Broader Management Zone	1.324	18.5	20	18.50	20/09/2024 14:46	0.834	0.490	21.00	Good condition. Monument lid hinge broken. Hydrasleeve removed, after sampling (close out activity).
MW232D	MW232_D	Broader Management Zone	1.324	18.5	20	n/a	27/09/2024 9:04	0.697	0.627	21.045	Targeted gauging round. Good condition. Monument lid hinge broken.
MW232S	MW232_S	Broader Management Zone	1.148	1	4	-	19/04/2024 8:22	0.685	0.463	-	Targeted gauging round. Good condition.
MW232S	MW232_S	Broader Management Zone	1.148	1	4	2.00	22/04/2024 11:52	0.515	0.633	4.58	Good condition.
MW232S	MW232_S	Broader Management Zone	1.148	1	4	2.00	20/09/2024 14:40	0.814	0.334	4.68	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW232S	MW232_S	Broader Management Zone	1.148	1	4	n/a	27/09/2024 9:02	0.652	0.496	4.61	Targeted gauging round. Good condition.
MW238D	MW238_D	Primary Management Zone	2.211	18.5	20	18.50	22/04/2024 15:07	0.500	1.711	20.25	Good condition.
MW238D	MW238_D	Primary Management Zone	2.211	18.5	20	18.50	19/09/2024 10:48	0.790	1.421	20.280	Good condition. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW238S	MW238_S	Primary Management Zone	2.27	1	4	2.50	22/04/2024 14:55	0.550	1.720	3.99	Good condition.
MW238S	MW238_S	Primary Management Zone	2.27	1	4	2.50	19/09/2024 10:35	0.852	1.418	4.00	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW240D	MW240_D	On-base	5.742	18.5	20	18.75	17/04/2024 13:55	1.545	4.197	20.28	Good condition.
MW240D	MW240_D	On-base	5.742	18.5	20	18.75	25/09/2024 9:20	1.207	4.535	20.30	Good condition. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW241D	MW241_D	Other: West of base	5.449	18.5	20	18.75	23/04/2024 12:01	1.765	3.684	20.20	Good condition. Gatic full of water at TOC. Water drained before opening well.
MW241D	MW241_D	Other: West of base	5.449	18.5	20	18.75	30/07/2024 12:38	0.744	4.705	20.21	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW241D	MW241_D	Other: West of base	5.449	18.5	20	18.75	31/07/2024 9:33	0.758	4.691	20.21	Resampling visit in July. Good condition
MW241D	MW241_D	Other: West of base	5.449	18.5	20	18.75	23/09/2024 10:55	1.061	4.388	20.21	Good condition. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW241S	MW241_S	Other: West of base	5.559	1	4	2.25	23/04/2024 12:01	1.825	3.734	3.21	Good condition.

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	On-base/Management Zone	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Gauging (or Visit) Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW241S	MW241_S	Other: West of base	5.559	1	4	2.25	30/07/2024 12:18	0.804	4.755	3.15	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW241S	MW241_S	Other: West of base	5.559	1	4	2.25	31/07/2024 9:23	0.808	4.751	3.96	Resampling visit in July. Good condition
MW241S	MW241_S	Other: West of base	5.559	1	4	2.25	23/09/2024 10:45	1.118	4.441	3.97	Good condition. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW245D	MW245_D	On-base	9.311	18.5	20	18.50	17/04/2024 12:51	2.048	7.263	21.19	Good condition.
MW245S	MW245_S	On-base	9.292	1	4	1.50	17/04/2024 13:03	1.995	7.297	2.41	Good condition.
MW247D	MW247_D	Secondary Management Zone	2.529	18.5	20	19.00	19/04/2024 8:34	1.090	1.439	-	Targeted gauging round. Good condition.
MW247D	MW247_D	Secondary Management Zone	2.529	18.5	20	19.00	22/04/2024 15:45	0.910	1.619	20.30	Good condition.
MW247D	MW247_D	Secondary Management Zone	2.529	18.5	20	19.00	23/09/2024 16:05	0.998	1.531	20.28	Good condition. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW247D	MW247_D	Secondary Management Zone	2.529	18.5	20	n/a	27/09/2024 11:59	0.780	1.749	20.29	Targeted gauging round. Good condition.
MW247S	MW247_S	Secondary Management Zone	2.468	1	4	2.75	19/04/2024 8:37	0.982	1.486	-	Targeted gauging round. Good condition.
MW247S	MW247_S	Secondary Management Zone	2.468	1	4	2.75	22/04/2024 15:25	0.804	1.664	3.86	Good condition.
MW247S	MW247_S	Secondary Management Zone	2.468	1	4	2.75	23/09/2024 15:50	0.894	1.574	3.86	Good condition. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW247S	MW247_S	Secondary Management Zone	2.468	1	4	n/a	27/09/2024 12:04	0.687	1.781	3.87	Targeted gauging round. Good condition.
MW252S	MW252_S	Broader Management Zone	1.103	1	4	2.44	24/04/2024 10:53	0.000	1.103	3.90	Good condition, Gatic full of water below TOC. SWL to TOC upon opening well cap. Water drained before opening well.
MW255D	MW255_D	Secondary Management Zone	1.26	18.5	20	18.76	16/04/2024 16:55	0.884	0.376	20.23	Good condition.
MW255S	MW255_S	Secondary Management Zone	1.258	1	4	2.47	16/04/2024 16:01	0.917	0.341	3.93	Good condition. Lugs rusted, dirt removed.
MW256D	MW256_D	Secondary Management Zone	1.534	18.5	20	18.50	15/04/2024 16:35	0.655	0.879	19.75	Good condition.
MW256D	MW256_D	Secondary Management Zone	1.534	18.5	20	18.50	19/04/2024 8:15	0.735	0.799	-	Targeted gauging round. Good condition.
MW256D	MW256_D	Secondary Management Zone	1.534	18.5	20	18.50	27/09/2024 9:28	0.581	0.953	20.29	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW256S	MW256_S	Secondary Management Zone	1.518	1	4	3.00	16/04/2024 14:35	0.725	0.793	3.98	Good condition.
MW256S	MW256_S	Secondary Management Zone	1.518	1	4	3.00	19/04/2024 8:14	0.763	0.755	-	Targeted gauging round. Good condition.
MW256S	MW256_S	Secondary Management Zone	1.518	1	4	3.00	27/09/2024 9:34	0.590	0.928	3.97	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW257D	MW257_D	Secondary Management Zone	1.819	18.5	20	18.50	16/04/2024 14:47	1.067	0.752	20.19	Good condition.
MW257D	MW257_D	Secondary Management Zone	1.819	18.5	20	18.50	19/04/2024 8:05	1.073	0.746	-	Targeted gauging round. Good condition.
MW257D	MW257_D	Secondary Management Zone	1.819	18.5	20	18.50	27/09/2024 9:11	0.865	0.954	20.17	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW257S	MW257_S	Secondary Management Zone	1.639	1	4	2.50	16/04/2024 14:55	0.975	0.664	3.84	Good condition.
MW257S	MW257_S	Secondary Management Zone	1.639	1	4	2.50	19/04/2024 8:10	0.992	0.647	-	Targeted gauging round. Good condition.
MW257S	MW257_S	Secondary Management Zone	1.639	1	4	2.50	27/09/2024 9:21	0.768	0.871	3.79	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW260D	MW260_D	Secondary Management Zone	2.08	18.5	20	18.75	18/04/2024 15:34	1.354	0.726	20.22	Good condition.
MW260D	MW260_D	Secondary Management Zone	2.08	18.5	20	18.75	19/04/2024 8:53	1.325	0.755	-	Targeted gauging round. Good condition.
MW260D	MW260_D	Secondary Management Zone	2.08	18.5	20	18.75	27/09/2024 10:06	1.266	0.814	20.21	Targeted gauging round. Good condition. Gatic full of sediment and grass roots, cleared as far as possible. Hydrasleeve removed (close out activity).
MW260S	MW260_S	Secondary Management Zone	2.124	1	4	2.50	18/04/2024 15:49	1.195	0.929	3.86	Good condition.
MW260S	MW260_S	Secondary Management Zone	2.124	1	4	2.50	19/04/2024 8:57	1.197	0.927	-	Targeted gauging round. Good condition.
MW260S	MW260_S	Secondary Management Zone	2.124	1	4	2.50	27/09/2024 10:14	1.345	0.779	3.87	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW264D	MW264_D	Other: Background	9.347	18.5	20	18.50	23/04/2024 15:40	1.170	8.177	-	Good condition.
MW264D	MW264_D	Other: Background	9.347	18.5	20	17.50	27/09/2024 8:20	0.406	8.941	18.57	Good condition. Well potentially blocked at 18.5m. Hydrasleeve removed, after sampling (close out activity).
MW264S	MW264_S	Other: Background	9.492	1	4	1.70	23/04/2024 15:35	1.312	8.180	-	Good condition.
MW264S	MW264_S	Other: Background	9.492	1	4	1.70	27/09/2024 8:05	0.556	8.936	3.21	Good condition. Soft base, potentially sedimented. Bolts rusted. Hydrasleeve removed, after sampling (close out activity).
MW268D	MW268_D	Broader Management Zone	3.362	18.5	20	n/a	19/04/2024 9:48	2.244	1.118	-	Targeted gauging round. Good condition.
MW268D	MW268_D	Broader Management Zone	3.362	18.5	20	n/a	27/09/2024 9:23	1.841	1.521		Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height lid. Potential blockage in well at 18.67.
MW268S	MW268_S	Broader Management Zone	3.232	2	5	n/a	19/04/2024 9:53	2.105	1.127	-	Targeted gauging round. Good condition.
MW268S	MW268_S	Broader Management Zone	3.232	2	5	n/a	27/09/2024 9:26	1.701	1.531	5.01	Targeted gauging round. Good condition. Rusted lugs. Data logger present.
MW270D	MW270_D	Broader Management Zone	1.412	18.5	20	18.50	22/04/2024 10:32	0.470	0.942	20.29	Good condition. Gatic full of water below TOC. Water drained before opening well.
MW270D	MW270_D	Broader Management Zone	1.412	18.5	20	18.50	20/09/2024 12:23	0.544	0.868	20.25	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW270S	MW270_S	Broader Management Zone	1.411	2	4	2.00	22/04/2024 10:43	0.370	1.041	3.81	Good condition.
MW270S	MW270_S	Broader Management Zone	1.411	2	4	2.00	20/09/2024 12:31	0.554	0.857	3.83	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW271D	MW271_D	Primary Management Zone	1.308	18.5	20	18.50	24/04/2024 14:32	0.159	1.149	20.28	Good condition.
MW271D	MW271_D	Primary Management Zone	1.308	18.5	20	18.50	19/09/2024 15:36	0.282	1.026	20.27	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW271S	MW271_S	Primary Management Zone	1.316	1	4	2.00	24/04/2024 14:23	0.120	1.196	4.00	Good condition.
MW271S	MW271_S	Primary Management Zone	1.316	1	4	2.00	19/09/2024 15:28	0.265	1.051	3.99	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW278D	MW278_D	Primary Management Zone	1.289	18.5	20	18.75	16/04/2024 14:15	0.426	0.863	20.22	Good condition. Partially buried.
MW278D	MW278_D	Primary Management Zone	1.289	18.5	20	18.75	23/09/2024 14:48	0.517	0.772	20.24	Good condition. Flooded above TOC. Hydrasleeve removed, after sampling (close out activity).
MW278S	MW278_S	Primary Management Zone	1.253	1.5	3	1.75	16/04/2024 14:31	0.415	0.838	2.99	Good condition. Bolt lugs rusted.
MW278S	MW278_S	Primary Management Zone	1.253	1.5	3	1.75	23/09/2024 14:37	0.552	0.701	3.00	Good condition. Missing 2 bolts, couldn't replace due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW279S	MW279_S	Secondary Management Zone	1.295	0.8	3.8	2.50	16/04/2024 12:42	0.774	0.521	4.63	Good condition.
MW279S	MW279_S	Secondary Management Zone	1.295	0.8	3.8	2.50	25/09/2024 13:48	0.862	0.433	4.63	Good condition. Monument lid hinge broken. Hydrasleeve removed, after sampling (close out activity).
MW280S	MW280S_LT, MW280_S	Broader Management Zone	3.831	1	4	2.50	23/04/2024 9:05	0.378	3.453	3.88	Good condition.
MW280S	MW280S_LT, MW280_S	Broader Management Zone	3.831	1	4	2.50	23/09/2024 9:53	0.230	3.601	3.86	Good condition. Missing 2 bolts, unable to replace due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW281S	MW281_S	On-base	5.29	1	4	3.00	17/04/2024 14:33	1.117	4.173	3.97	Good condition.
MW281S	MW281_S	On-base	5.29	1	4	3.00	25/09/2024 9:53	0.941	4.349	3.99	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW282S	MW282_S	On-base	5.37	1	4	2.50	17/04/2024 14:20	1.090	4.280	3.49	Good condition.
MW282S	MW282_S	On-base	5.37	1	4	2.50	25/09/2024 9:33	0.800	4.570	3.50	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW304	BH531	On-base	8.29	0.6	5.5	n/a	17/04/2024 10:00	3.769	4.521	5.41	Good condition. No Hydrasleeve in well. Well requires redevelopment based on high sediment load and water quality parameters.
MW304	BH531	On-base	8.29	0.6	5.5	3.80	18/04/2024 15:00	3.725	4.565	5.39	Good condition. No Hydrasleeve in well, new Hydrasleeve installed.
MW304	BH531	On-base	8.29	0.6	5.5	3.80	23/04/2024 9:27	3.687	4.603	5.39	Good condition. Gatic lid cover rusted.
MW315D	MW315_D/MW320D	Secondary Management Zone	6.16	18	20	18.75	23/04/2024 11:05	1.404	4.756	20.00	Good condition.
MW315D	MW315_D/MW320D	Secondary Management Zone	6.16	18	20	18.75	23/09/2024 11:30	0.819	5.341	20.44	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW315S	MW315_S/MW320S	Secondary Management Zone	6.18	1	4	2.50	23/04/2024 11:05	1.404	4.776	3.98	Good condition.
MW315S	MW315_S/MW320S	Secondary Management Zone	6.18	1	4	2.50	23/09/2024 11:24	0.847	5.333	3.78	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW316D	MW316_D/MW319D	Broader Management Zone	1.2	18	20	18.00	16/04/2024 11:04	0.863	0.337	21.10	Good condition.
MW317D	MW317_D	On-base	7.96	18.5	20	18.50	17/04/2024 10:04	1.275	6.685	20.53	Good condition. Gatic full of water below TOC. Water drained before opening well.
MW317S	MW317_S	On-base	7.97	1	4	2.00	17/04/2024 9:53	1.300	6.670	4.08	Good condition. Gatic full of water below TOC. Water drained before opening well.
MW318D	MW318_D	Secondary Management Zone	2.63	18.5	20	18.75	22/04/2024 12:20	0.591	2.039	20.28	Good condition.
MW318S	MW318_S	Secondary Management Zone	2.67	1	4	2.50	22/04/2024 12:05	0.646	2.024	3.90	Good condition.
MW329		On-base	6.1215	2.4	5.39	3.39	17/04/2024 14:48	1.954	4.168	6.15	Good condition. No Hydrasleeve in well, new Hydrasleeve installed.
MW329		On-base	6.1215	2.4	5.39	3.39	18/04/2024 8:27	1.962	4.160	6.15	Good condition.
MW329		On-base	6.1215	2.4	5.39	3.39	25/09/2024 9:42	1.665	4.457	5.16	Good condition. Hydrasleeve removed, after sampling (close out activity).

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	On-base/Management Zone	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Gauging (or Visit) Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW340D	MW340_D	On-base	4.9554	17	20	18.00	18/04/2024 10:25	1.651	3.304	21.26	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW340D	MW340_D	On-base	4.9554	17	20	18.00	18/04/2024 14:45	1.669	3.286	21.25	Good condition.
MW340D	MW340_D	On-base	4.9554	17	20	18.00	25/09/2024 10:44	1.497	3.458	21.23	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW340S	MW340_S	On-base	4.96194	2	5	3.00	18/04/2024 10:37	1.669	3.293	5.72	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW340S	MW340_S	On-base	4.96194	2	5	3.00	18/04/2024 14:25	1.685	3.277	5.72	Good condition.
MW340S	MW340_S	On-base	4.96194	2	5	3.00	25/09/2024 10:55	1.522	3.440	5.72	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW342D	MW342_D	On-base	4.76384	17	20	18.00	18/04/2024 9:35	1.396	3.368	21.23	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW342D	MW342_D	On-base	4.76384	17	20	18.00	18/04/2024 13:33	1.409	3.355	21.25	Good condition.
MW342D	MW342_D	On-base	4.76384	17	20	18.00	25/09/2024 10:28	1.340	3.424	21.22	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW344D	MW344_D	On-base	4.52071	17	20	18.00	18/04/2024 8:50	0.207	4.314	19.97	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW344D	MW344_D	On-base	4.52071	17	20	18.00	18/04/2024 13:15	1.246	3.275	19.97	Good condition.
MW344D	MW344_D	On-base	4.52071	17	20	18.00	25/09/2024 10:13	1.255	3.266	19.96	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW344S	MW344_S	On-base	4.77721	2	5	3.00	18/04/2024 9:05	1.493	3.284	5.77	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW344S	MW344_S	On-base	4.77721	2	5	3.00	18/04/2024 13:21	1.495	3.282	5.77	Good condition.
MW344S	MW344_S	On-base	4.77721	2	5	3.00	25/09/2024 10:07	1.516	3.261	5.77	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW354S	MW354	On-base	4.99285	2	5	3.00	18/04/2024 10:15	1.620	3.373	5.88	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW354S	MW354	On-base	4.99285	2	5	3.00	18/04/2024 14:10	1.650	3.343	5.86	Good condition.
MW354S	MW354	On-base	4.99285	2	5	3.00	25/09/2024 10:38	1.546	3.447	5.85	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW406	W6	On-base	8.27	unknown	unknown	2.00	17/04/2024 11:29	1.778	6.492	2.98	Good condition.
MW441	W41	On-base	7.669	5	6	5.00	18/04/2024 15:01	3.060	4.609	5.33	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development.
MW441	W41	On-base	7.669	5	6	5.00	23/04/2024 9:37	3.010	4.659	5.29	Good condition.
MW466	W66	On-base	4.32	unknown	unknown	2.00	18/04/2024 10:54	1.610	2.710	3.19	Good condition.
MW466	W66	On-base	4.32	unknown	unknown	2.00	24/09/2024 12:00	1.730	2.590	3.22	Good condition. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW468	W68	On-base	4.02	unknown	unknown	3.00	18/04/2024 10:41	1.230	2.790	4.02	Good condition.
MW468	W68	On-base	4.02	unknown	unknown	3.00	24/09/2024 12:10	1.458	2.562	4.05	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW731D	MW731_D	Primary Management Zone	2.19	18.5	20	18.50	23/04/2024 15:40	0.937	1.253	21.10	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development.
MW731D	MW731_D	Primary Management Zone	2.19	18.5	20	18.50	9/05/2024 16:45	0.815	1.375	21.12	Good condition.
MW731D	MW731_D	Primary Management Zone	2.19	18.5	20	18.50	23/09/2024 15:10	1.172	1.018	21.10	Good condition. Monument lid hinge broken. Hydrasleeve removed, after sampling (close out activity).
MW731S	MW731_S	Primary Management Zone	2.05	2.5	5.5	n/a	24/04/2024 12:00	n/a	n/a	n/a	Well not found.
MW731S	MW731_S	Primary Management Zone	2.05	2.5	5.5	4.00	1/08/2024 14:15	0.754	1.296	6.04	Hydrasleeve install visit. Good condition. No Hydrasleeve in well, new Hydrasleeve installed.
MW731S	MW731_S	Primary Management Zone	2.05	2.5	5.5	4.00	2/08/2024 9:20	0.786	1.264	6.04	Good condition
MW731S	MW731_S	Primary Management Zone	2.05	2.5	5.5	4.00	23/09/2024 15:00	1.401	0.649	6.03	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW829	PS9_BORE 30, MW652	Secondary Management Zone	unknown	unknown	unknown	n/a	22/04/2024 11:15	1.868	n/a	11.97	Non-traditional well (pump station bore/sampling point). Good condition.
MW829	PS9_BORE 30, MW652	Secondary Management Zone	unknown	unknown	unknown	n/a	26/09/2024 9:49	1.073	n/a	11.96	Good condition. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW842	SK3496_D	Broader Management Zone	unknown	unknown	unknown	n/a	23/04/2024 16:16	1.957	n/a	18.02	Good condition.
MW844	SK3496_S	Broader Management Zone	unknown	unknown	unknown	n/a	23/04/2024 16:33	1.898	n/a	6.00	Good condition.
MW844	SK3496_S	Broader Management Zone	unknown	unknown	unknown	n/a	30/07/2024 8:25	0.729	n/a	5.99	Well redevelopment visit. Good condition.
MW844	SK3496_S	Broader Management Zone	unknown	unknown	unknown	n/a	31/07/2024 11:01	0.751	n/a	6.53	Resampling visit in July. Good condition
MW886	DFIG_MW02	On-base	7.91	2	5	n/a	19/04/2024 9:47	2.814	5.096	5.15	Good condition. No Hydrasleeve in well. Well requires redevelopment based on high sediment load and water quality parameters.
MW886	DFIG_MW02	On-base	7.91	2	5	3.00	23/04/2024 9:55	2.714	5.196	5.13	Good condition.
MW897D		Secondary Management Zone	7.34	17	20	-	19/04/2024 9:17	2.368	4.972	-	Targeted gauging round. Good condition.
MW897D		Secondary Management Zone	7.34	17	20	18.00	24/04/2024 9:06	2.218	5.122	21.05	Good condition.
MW897D		Secondary Management Zone	7.34	17	20	18.00	27/09/2024 11:07	1.886	5.454	20.09	Targeted gauging round. Good condition. Well potentially blocked at 20 m. Hydrasleeve removed (close out activity).
MW897S		Secondary Management Zone	7.44	3	6	-	19/04/2024 9:18	2.442	4.998	-	Targeted gauging round. Good condition.
MW897S		Secondary Management Zone	7.44	3	6	4.00	24/04/2024 9:23	2.291	5.149	7.05	Good condition.
MW897S		Secondary Management Zone	7.44	3	6	4.00	27/09/2024 11:18	1.990	5.450	7.08	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
POT046	BWS046	Secondary Management Zone	n/a	n/a	n/a	n/a	24/04/2024 12:00	n/a	n/a	n/a	Bore not accessed, residential appointment not confirmed
POT085	BWS085	Broader Management Zone	n/a	n/a	n/a	n/a	24/04/2024 12:00	n/a	n/a	n/a	Bore not accessed, residential appointment not confirmed
POT107	BWS107	Broader Management Zone	n/a	n/a	n/a	n/a	23/04/2024 12:25	n/a	n/a	n/a	Sample collected from newly installed tap. Connected to same bore and bore pump.
POT144	BWS144	Broader Management Zone	n/a	n/a	n/a	n/a	9/05/2024 16:00	n/a	n/a	n/a	Residential bore
POT236	BWS236	Broader Management Zone	n/a	n/a	n/a	n/a	24/04/2024 12:00	n/a	n/a	n/a	Bore not accessed, residential appointment not confirmed
POT382		Broader Management Zone	n/a	n/a	n/a	n/a	23/04/2024 16:20	n/a	n/a	n/a	Residential bore
POT382		Broader Management Zone	n/a	n/a	n/a	n/a	20/09/2024 13:23	n/a	n/a	n/a	Bore with pump outlet in working condition.

Notes

mAHD	meters Australian Height Datum
mbgl	meters below ground level
mbTOC	meters below Top of Casing
n/a	Not applicable
-	Not measured

Table T2 - Groundwater Quality Parameters and Observations

					Water Quality Parameters					
Location Code	**Alternative Name**	**On-base/Management Zone**	**Sampled/ Visit Date Time**	**Sample Comment**	**Dissolved Oxygen**	**Temperature**	**Electrical Conductivity**	**pH**	**Oxidation-Reduction Potential Er**	**Oxidation-Reduction Potential Eh (Corrected)**
					mg/L	°C	µS/cm	pH_Units	mV	mV
MW104D	MW104_D	Primary Management Zone	24/04/2024 10:18	Clear, no turbidity, no odour, no sheen.	2.43	20.1	232.3	6.02	-1.1	204.7
MW104S	MW104_S	Primary Management Zone	24/04/2024 10:27	Light brown, no turbidity, sulfurous odour, no sheen.	1.63	21.3	183.2	5.03	-2.1	203.7
MW106D	MW106_D	On-base	19/04/2024 9:37	Light yellow, no turbidity, sulfurous odour, no sheen	0.91	19.2	211.8	6.01	-86.1	119.7
MW106D	MW106_D	On-base	24/09/2024 16:14	Light brown, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.74	20.1	152.1	5.75	98.6	304.4
MW106S	MW106_S	On-base	19/04/2024 9:28	Clear, no turbidity, no odour, no sheen.	3.32	19.9	120.8	6.35	138.9	344.7
MW106S	MW106_S	On-base	24/09/2024 16:05	Clear, no turbidity, no odour, no sheen. Suspended organics.	1.23	18.4	94.4	5.85	72.3	278.1
MW107D	MW107_D	Secondary Management Zone	23/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	0.69	20.5	121.0	5.63	-32.1	173.7
MW107D	MW107_D	Secondary Management Zone	23/09/2024 10:11	Clear, no turbidity, sulfurous odour, no sheen.	0.88	18.2	161.5	5.34	64.7	270.5
MW107S	MW107_S	Secondary Management Zone	23/04/2024 10:30	Clear, no turbidity, sulfurous odour, no sheen.	0.67	21.0	113.6	5.26	-51.3	154.5
MW107S	MW107_S	Secondary Management Zone	23/09/2024 10:20	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.73	14.5	178.1	5.33	46.7	252.5
MW108D	MW108_D	On-base	17/04/2024 15:45	Clear, no turbidity, no odour, no sheen.	1.39	20.3	185.5	6.29	-10.9	194.9
MW108D	MW108_D	On-base	24/09/2024 11:30	Clear, no turbidity, sulfurous odour, no sheen.	1.17	20.1	182.3	6.24	-2.0	203.8
MW108S	MW108_S	On-base	17/04/2024 15:35	Clear, no turbidity, no odour, no sheen.	3.00	21.1	910.0	4.71	59.4	265.2
MW108S	MW108_S	On-base	24/09/2024 11:23	Clear, no turbidity, sulfurous odour, no sheen.	0.70	18.2	113.9	5.48	42.6	248.4
MW109D	MW109_D	On-base	18/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	2.23	20.8	1,826.0	6.33	69.9	275.7
MW109D	MW109_D	On-base	24/09/2024 12:21	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve. Suspended floc.	1.25	20.4	159.6	6.52	3.9	209.7
MW118		Broader Management Zone	16/04/2024 16:21	Clear, no turbidity, organic odour, no sheen.	1.56	22.8	152.1	5.62	98.2	304.0
MW121		Secondary Management Zone	16/04/2024 9:24	Clear, no turbidity, organic odour, no sheen.	9.30	21.8	874.0	5.78	57.4	263.2
MW122		Secondary Management Zone	16/04/2024 13:45	Light orange, low turbidity, no odour, no sheen.	0.67	21.6	1,586.0	5.10	-62.8	143.0
MW123		Secondary Management Zone	16/04/2024 14:10	Light orange, medium turbidity, sulfurous odour, no sheen.	0.67	22.8	1,001.0	6.50	-131.5	74.3
MW125D	MW125_D	Secondary Management Zone	16/04/2024 12:43	Brown, low turbidity, sulfurous odour, no sheen.	1.97	23.5	600.0	6.46	-113.0	92.8
MW125D	MW125_D	Secondary Management Zone	23/09/2024 13:26	Yellow, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.52	20.6	273.4	6.57	-26.2	179.6
MW125S	MW125_S	Secondary Management Zone	16/04/2024 12:54	Clear, low turbidity, no odour, no sheen.	2.28	22.8	523.0	6.23	-46.1	159.7
MW125S	MW125_S	Secondary Management Zone	23/09/2024 13:35	Clear, no turbidity, no odour, no sheen. Suspended solids.	2.19	20.1	446.2	6.09	-7.5	198.3
MW126D	MW126_D	Primary Management Zone	16/04/2024 10:00	Light orange, low turbidity, no odour, no sheen.	1.37	26.0	280.6	6.55	-54.0	151.8
MW126D	MW126_D	Primary Management Zone	23/09/2024 12:42	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.29	20.4	234.2	6.47	-18.1	187.7
MW126S	MW126_S	Primary Management Zone	16/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	1.18	28.6	225.3	6.55	-60.2	145.6
MW126S	MW126_S	Primary Management Zone	23/09/2024 12:51	Orange, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve. Suspended floc.	0.59	19.8	194.2	6.43	-8.7	197.1
MW128D	MW128_D	Broader Management Zone	16/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	0.50	20.7	2,231.0	7.34	-203.2	2.6
MW128D	MW128_D	Broader Management Zone	25/09/2024 12:50	Light brown, no turbidity, sulfurous odour, no sheen.	1.33	18.8	1,323.0	7.63	-40.4	165.4
MW128S	MW128_S	Broader Management Zone	16/04/2024 10:35	Clear, no turbidity, no odour, no sheen.	0.78	19.6	8,565.0	7.33	-61.6	144.2
MW128S	MW128_S	Broader Management Zone	25/09/2024 13:00	Light brown, no turbidity, organic odour, no sheen.	5.09	18.5	3,918.0	7.72	-10.7	195.1
MW130D	MW130_D	Secondary Management Zone	24/04/2024 9:41	Clear, no turbidity, sulfurous odour, no sheen.	1.73	18.6	66.6	5.00	-4.1	201.7
MW130D	MW130_D	Secondary Management Zone	26/09/2024 9:26	Clear, low turbidity, sulfurous odour, no sheen.	1.58	16.9	131.5	5.04	99.6	305.4
MW130S	MW130_S	Secondary Management Zone	24/04/2024 9:37	Clear, no turbidity, sulfurous odour, no sheen.	4.59	19.5	147.5	4.47	60.8	266.6
MW130S	MW130_S	Secondary Management Zone	26/09/2024 9:33	Clear, no turbidity, sulfurous odour, no sheen.	0.52	15.1	134.2	4.60	122.9	328.7
MW132D	MW132_D	Secondary Management Zone	22/04/2024 14:10	Clear, no turbidity, no odour, no sheen.	2.86	20.6	181.9	5.37	98.4	304.2
MW132D	MW132_D	Secondary Management Zone	26/09/2024 10:03	Clear, no turbidity, sulfurous odour, no sheen. Organics at base of Hydrasleeve.	1.43	17.5	167.9	5.34	94.8	300.6
MW132I	MW132_I	Secondary Management Zone	22/04/2024 14:11	Light brown, low turbidity, organic odour, no sheen. Dead ants and organic matter at base of Hydrasleeve.	0.45	13.6	176.6	5.58	-82.2	123.6
MW132I	MW132_I	Secondary Management Zone	26/09/2024 10:10	Clear, no turbidity, sulfurous odour, no sheen. Organics at base of Hydrasleeve.	0.80	17.4	125.2	4.84	129.9	335.7
MW134D	MW134_D	On-base	17/04/2024 9:30	Clear, no turbidity, no odour, no sheen.	1.50	19.6	85.9	5.12	157.7	363.5
MW134I	MW134_I	On-base	17/04/2024 9:36	Light brown, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.13	19.6	142.7	4.54	63.1	268.9
MW139		Broader Management Zone	23/04/2024 11:05	Light brown, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve	1.29	22.3	1,758.0	5.57	-37.7	168.1
MW139		Broader Management Zone	19/09/2024 13:23	Light brown, low turbidity, no odour, no sheen.	5.05	20.1	244.9	5.12	47.8	253.6
MW146AD	MW146D_A	Secondary Management Zone	16/04/2024 11:05	Clear, no turbidity, no odour, no sheen.	0.62	24.2	428.2	6.45	-67.0	138.8
MW146AD	MW146D_A	Secondary Management Zone	23/09/2024 13:12	Clear, low turbidity, no odour, no sheen.	1.41	20.4	78.5	6.59	7.4	213.2
MW146S	MW146_S	Secondary Management Zone	16/04/2024 10:55	Orange, low turbidity, no odour, no sheen.	1.87	25.7	461.1	6.29	46.9	252.7
MW146S	MW146_S	Secondary Management Zone	23/09/2024 13:05	Yellow, no turbidity, no odour, no sheen. Ferrous staining on Hydrasleeve.	2.34	20.0	252.7	6.39	27.0	232.8
MW147D	MW147_D	Secondary Management Zone	22/04/2024 13:39	Clear, medium turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	0.87	22.4	25,702.0	6.22	-	-
MW147S	MW147_S	Secondary Management Zone	22/04/2024 13:50	Clear, no turbidity, no odour, no sheen. Black staining on the Hydrasleeve.	1.08	24.1	12,512.0	6.31	-81.8	124.0
MW150D	MW150_D	Secondary Management Zone	16/04/2024 8:49	Grey, low turbidity, no odour, no sheen.	0.50	22.9	302.2	5.58	-	-
MW150S	MW150_S	Secondary Management Zone	16/04/2024 9:05	Light yellow, no turbidity, organic odour, no sheen.	0.30	21.8	771.0	6.08	-	-
MW155	MW155D	On-base	17/04/2024 12:55	Light brown, no turbidity, no odour, no sheen.	1.21	22.5	1,083.0	5.35	104.4	310.2
MW155	MW155D	On-base	30/07/2024 12:30	Clear, no turbidity, slight sulfurous odour, no sheen. Well redevelopment (final reading), no sample collected.	1.20	17.5	103.1	4.74	-45.8	160.0
MW155	MW155D	On-base	31/07/2024 12:10	Brown, low turbidity, no odour, no sheen.	0.66	15.6	123.8	5.60	27.1	232.9
MW159D	MW159_D	Broader Management Zone	22/04/2024 14:40	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.29	23.8	378.2	6.70	-53.2	152.6
MW159D	MW159_D	Broader Management Zone	30/07/2024 13:08	Clear, no turbidity, no odour, no sheen. Well redevelopment (final reading), no sample collected.	0.35	18.1	242.3	6.00	-56.8	149.0
MW159D	MW159_D	Broader Management Zone	31/07/2024 10:38	Brown, low turbidity, sulfurous odour, no sheen.	1.03	16.9	98.3	5.17	16.6	222.4
MW159S	MW159_S	Broader Management Zone	22/04/2024 14:55	Brown, medium turbidity, no odour, no sheen.	1.07	23.6	112.5	5.44	73.5	279.3
MW159S	MW159_S	Broader Management Zone	30/07/2024 10:43	Clear, no turbidiy, no odour, no sheen. Well revelopment (final reading), no sample collected.	0.31	17.4	340.5	6.48	-81.3	124.5
MW159S	MW159_S	Broader Management Zone	31/07/2024 10:29	Light yellow, no turbidity, no odour, no sheen.	0.98	13.7	68.6	5.23	136.5	342.3
MW160		Secondary Management Zone	22/04/2024 11:55	Brown, low turbidity, sulfurous odour, no sheen.	0.55	21.9	218.6	4.85	-10.1	195.7
MW160		Secondary Management Zone	26/09/2024 10:40	Light yellow, low turbidity, sulfurous odour, no sheen. Organics at base of Hydrasleeve.	1.26	15.8	292.2	4.82	102.9	308.7
MW161D	MW161_D	Secondary Management Zone	22/04/2024 16:45	Clear, no turbidity, no odour, no sheen.	2.21	19.6	159.0	6.01	-0.8	205.0
MW161S	MW161_S	Secondary Management Zone	22/04/2024 17:10	Orange, low turbidity, sulfurous odour, no sheen	0.68	21.3	188.5	5.77	-81.3	124.5
MW162D	MW162_D	Secondary Management Zone	16/04/2024 13:20	Clear, no turbidity, no odour, no sheen.	1.25	20.9	913.0	5.95	-	-

Table T2 - Groundwater Quality Parameters and Observations

					Water Quality Parameters					
					Dissolved Oxygen	Temperature	Electrical Conductivity	pH	Oxidation-Reduction Potential Er	Oxidation-Reduction Potential Eh (Corrected)
Location Code	**Alternative Name**	**On-base/Management Zone**	**Sampled/ Visit Date Time**	**Sample Comment**	mg/L	°C	µS/cm	pH_Units	mV	mV
MW162S	MW162_S	Secondary Management Zone	16/04/2024 13:27	Light brown, no turbidity, no odour, no sheen.	2.24	22.7	909.0	5.94	28.2	234.0
MW163		Broader Management Zone	16/04/2024 11:20	Light yellow, no turbidity, organic odour, no sheen.	0.71	22.0	11,244.0	6.87	-211.0	-5.2
MW166		On-base	17/04/2024 11:05	Yellow, low turbidity, no odour, no sheen. Suspended solids.	4.23	23.9	1,030.0	6.81	-46.8	159.0
MW166		On-base	24/09/2024 10:19	Brown, low turbidity, organic odour, no sheen. Suspended organics.	1.29	18.4	51.1	4.89	222.6	428.4
MW167		On-base	17/04/2024 11:30	Brown, medium turbidity, no odour, no sheen.	2.60	22.5	68.2	5.16	66.9	272.7
MW167		On-base	24/09/2024 10:38	Clear, no turbidity, organic odour, no sheen.	6.70	19.1	91.7	5.17	217.2	423.0
MW168		On-base	17/04/2024 11:15	Brown, high turbidity, organic odour, no sheen.	4.72	23.8	8.2	6.77	-64.9	140.9
MW168		On-base	24/09/2024 10:46	Brown, no turbidity, no odour, no sheen.	4.54	18.7	43.6	5.53	196.3	402.1
MW169D	MW169_D	On-base	17/04/2024 11:45	Light yellow, low turbidity, sulfurous odour, no sheen.	1.66	21.0	94.3	6.37	-29.4	176.4
MW169D	MW169_D	On-base	24/09/2024 11:06	Light brown, no turbidity, no odour, no sheen.	1.61	21.6	175.9	6.44	-10.7	195.1
MW169S	MW169_S	On-base	17/04/2024 11:40	Orange, low turbidity, no odour, no sheen.	4.66	22.9	5.0	5.48	121.0	326.8
MW169S	MW169_S	On-base	24/09/2024 11:01	Orange, low turbidity, no odour, no sheen.	2.75	18.9	81.8	5.52	182.6	388.4
MW171D	MW171_D	On-base	17/04/2024 14:50	Clear, no turbidity, no odour, no sheen.	0.34	20.3	1,141.0	6.88	-156.9	48.9
MW171S	MW171_S	On-base	17/04/2024 14:53	Light orange, no turbidity, no odour, no sheen.	5.48	21.7	122.1	4.61	190.6	396.4
MW172		On-base	17/04/2024 15:05	Clear, no turbidity, sulfurous odour, no sheen.	1.93	21.8	103.3	5.01	6.6	212.4
MW172		On-base	24/09/2024 13:46	Brown, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.49	18.1	267.1	5.24	74.1	279.9
MW175D	MW175_D	On-base	17/04/2024 15:44	Clear, no turbidity, no odour, no sheen.	2.14	22.1	865.0	6.44	-31.9	173.9
MW175D	MW175_D	On-base	24/09/2024 11:56	Clear, no turbidity, organic odour, no sheen.	1.25	22.7	180.5	6.42	-33.3	172.5
MW178		Primary Management Zone	22/04/2024 14:35	Light yellow, no turbidity, no odour, no sheen	2.33	21.8	1,818.0	5.74	-42.0	163.8
MW178		Primary Management Zone	23/09/2024 14:11	Orange, no turbidity, organic odour, no sheen.	1.90	19.0	442.9	5.39	85.7	291.5
MW179D	MW179_D	On-base	18/04/2024 8:35	Clear, no turbidity, no odour, no sheen. Black staining inside top of the Hydrasleeve.	1.32	20.1	119.0	5.94	-58.2	147.6
MW179S	MW179_S	On-base	18/04/2024 8:35	Brown, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.49	21.5	114.1	4.84	-22.4	183.4
MW184D	MW184_D	Primary Management Zone	24/04/2024 10:50	Clear, no turbidity, no odour, no sheen.	2.83	20.2	232.4	5.83	32.2	238.0
MW184S	MW184_S	Primary Management Zone	24/04/2024 11:00	Brown, no turbidity, organic odour, no sheen. Suspended solids.	1.38	20.9	188.4	5.52	52.0	257.8
MW188D	MW188_D	Primary Management Zone	18/04/2024 15:15	Clear, no turbidity, no odour, no sheen.	1.33	20.3	259.4	6.30	-34.1	171.7
MW188S	MW188_S	Primary Management Zone	16/04/2024 9:30	Orange, high turbidity, no odour, no sheen. Significant suspended floc.	1.82	25.8	481.5	6.48	-38.1	167.7
MW195		Secondary Management Zone	16/04/2024 12:25	Clear, no turbidity, no odour, no sheen.	0.70	22.2	1,965.0	6.68	-63.4	142.4
MW196		On-base	17/04/2024 9:07	Brown, low turbidity, no odour, no sheen. Suspended organics, and sediment at base of Hydrasleeve.	3.42	22.9	96.0	4.78	168.2	374.0
MW198		On-base	18/04/2024 9:15	Brown, medium turbidity, no odour, no sheen.	2.67	22.0	130.2	5.69	61.9	267.7
MW200		On-base	17/04/2024 8:55	Light brown, low turbidity, organic odour, no sheen.	1.45	22.3	54.2	4.80	42.3	248.1
MW201D	MW201_D	On-base	17/04/2024 8:45	Clear, no turbidity, no odour, no sheen.	1.65	19.8	133.9	5.17	49.1	254.9
MW201S	MW201_S	On-base	17/04/2024 8:30	Light yellow, low turbidity, no odour, no sheen.	2.72	21.3	121.3	4.99	183.8	389.6
MW202D	MW202_D	On-base	18/04/2024 8:15	Clear, no turbidity, no odour, no sheen.	2.46	20.3	118.1	6.63	-67.0	138.8
MW202S	MW202_S	On-base	18/04/2024 8:25	Light brown, low turbidity, no odour, no sheen.	3.79	21.8	991.0	6.05	72.3	278.1
MW208		On-base	17/04/2024 10:59	Clear, low turbidity, no odour, no sheen. Roots at base of Hydrasleeve.	1.38	23.8	119.7	5.88	-	-
MW210D	MW210_D	On-base	17/04/2024 9:45	Clear, no turbidity, organic odour, no sheen.	2.57	22.3	116.9	5.53	-80.0	125.8
MW210S	MW210_S	On-base	17/04/2024 9:37	Brown, low turbidity, sulfurous odour, no sheen.	0.78	23.5	1,021.0	5.24	-146.9	58.9
MW230S	MW230_S	Secondary Management Zone	23/04/2024 14:27	Clear, no turbidity, no odour, no sheen. Suspended solids.	1.79	22.0	1,767.0	5.95	-19.4	186.4
MW230S	MW230_S	Secondary Management Zone	19/09/2024 11:28	Clear, no turbidity, no odour, no sheen.	4.42	20.6	384.4	6.02	-29.3	176.5
MW231D	MW231_D	Broader Management Zone	23/04/2024 17:25	Light yellow, no turbidity, no odour, no sheen.	1.22	19.2	15,473.0	6.80	-197.2	8.6
MW231D	MW231_D	Broader Management Zone	20/09/2024 13:59	Grey, medium turbidity, sulfurous odour, no sheen.	1.32	20.2	16,477.0	6.93	-137.7	68.1
MW231S	MW231_S	Broader Management Zone	23/04/2024 16:50	Light yellow, no turbidity, no odour, no sheen.	0.89	21.3	14,053.0	6.85	-105.0	100.8
MW231S	MW231_S	Broader Management Zone	20/09/2024 13:51	Light yellow, no turbidity, no odour, no sheen.	0.35	20.8	10,308.0	6.94	-82.3	123.5
MW232D	MW232_D	Broader Management Zone	22/04/2024 11:40	Clear, low turbidity, no odour, no sheen.	2.14	22.0	13,972.0	7.35	-107.7	98.1
MW232D	MW232_D	Broader Management Zone	20/09/2024 14:50	Clear, no turbidity, no odour, no sheen.	0.79	19.2	14,721.0	7.38	-113.0	92.8
MW232S	MW232_S	Broader Management Zone	22/04/2024 11:55	Clear, low turbidity, no odour, no sheen.	1.99	21.3	2,646.0	7.43	-112.7	93.1
MW232S	MW232_S	Broader Management Zone	20/09/2024 14:44	Light yellow, no turbidity, no odour, no sheen.	1.33	19.9	1,935.0	7.54	-24.0	181.8
MW238D	MW238_D	Primary Management Zone	22/04/2024 15:10	Light brown, low turbidity, no odour, no sheen.	1.61	20.1	1,686.0	6.17	22.9	228.7
MW238D	MW238_D	Primary Management Zone	19/09/2024 10:50	Light yellow, no turbidity, no odour, no sheen.	0.36	20.8	220.2	6.21	15.2	221.0
MW238S	MW238_S	Primary Management Zone	22/04/2024 15:00	Light brown, low turbidity, no odour, no sheen.	4.34	21.9	1,872.0	4.49	237.3	443.1
MW238S	MW238_S	Primary Management Zone	19/09/2024 10:39	Brown, medium turbidity, no odour, no sheen.	0.41	18.0	1,102.0	6.33	-109.7	96.1
MW240D	MW240_D	On-base	17/04/2024 13:56	Clear, no turbidity, sulfurous odour, no sheen.	2.02	19.9	68.3	4.97	-29.4	176.4
MW240D	MW240_D	On-base	25/09/2024 9:23	Clear, no turbidity, no odour, no sheen.	1.53	18.0	63.5	5.47	83.6	289.4
MW241D	MW241_D	Other: West of base	23/04/2024 12:15	Yellow, no turbidity, sulfurous odour, no sheen.	0.66	29.3	15.8	5.94	-67.0	138.8
MW241D	MW241_D	Other: West of base	30/07/2024 9:52	Light brown, no turbidity, no odour, no sheen. Well redevelopment (final reading), no sample collected.	0.48	14.7	84.8	4.99	-49.5	156.3
MW241D	MW241_D	Other: West of base	31/07/2024 9:36	Clear, no turbidity, no odour, no sheen.	0.79	17.2	188.4	5.99	188.4	394.2
MW241D	MW241_D	Other: West of base	23/09/2024 10:56	Clear, no turbidity, sulfurous odour, no sheen.	2.43	20.0	208.2	6.26	-39.9	165.9
MW241S	MW241_S	Other: West of base	23/04/2024 12:15	Clear, no turbidity, no odour, no sheen. Parameters not collected due to probe malfunction.	-	-	-	-	-	-
MW241S	MW241_S	Other: West of base	30/07/2024 9:08	Brown, low turbidity, slight sulfurous odour, no sheen. Well revelopment (final reading), no sample collected.	1.10	18.3	76.0	4.42	-23.8	182.0
MW241S	MW241_S	Other: West of base	31/07/2024 9:27	Clear, no turbidity, no odour, no sheen.	2.89	15.7	91.5	4.55	151.3	357.1
MW241S	MW241_S	Other: West of base	23/09/2024 10:46	Clear, no turbidity, no odour, no sheen.	2.20	19.7	40.4	5.18	100.8	306.6
MW245D	MW245_D	On-base	17/04/2024 12:55	Light yellow, no turbidity, organic odour, no sheen.	3.21	20.5	110.6	5.47	-13.1	192.7
MW245S	MW245_S	On-base	17/04/2024 13:05	Clear, no turbidity, no odour, no sheen. Hydrasleeve not deployed/empty. Bailer used to sample.	1.67	21.5	188.3	4.37	22.0	227.8
MW247D	MW247_D	Secondary Management Zone	22/04/2024 15:50	Clear, no turbidity, no odour, no sheen.	1.01	20.3	91.5	6.13	19.9	225.7
MW247D	MW247_D	Secondary Management Zone	23/09/2024 16:08	Clear, no turbidity, no odour, no sheen.	1.38	18.5	109.0	5.96	49.9	255.7
MW247S	MW247_S	Secondary Management Zone	22/04/2024 15:30	Clear, no turbidity, sulfurous odour, no sheen.	0.86	23.6	224.2	5.27	-69.1	136.7

Table T2 - Groundwater Quality Parameters and Observations

					Water Quality Parameters					
Location Code	**Alternative Name**	**On-base/Management Zone**	**Sampled/ Visit Date Time**	**Sample Comment**	**Dissolved Oxygen**	**Temperature**	**Electrical Conductivity**	**pH**	**Oxidation-Reduction Potential Er**	**Oxidation-Reduction Potential Eh (Corrected)**
					mg/L	°C	µS/cm	pH_Units	mV	mV
MW247S	MW247_S	Secondary Management Zone	23/09/2024 15:55	Clear, no turbidity, sulfurous odour, no sheen. Suspended solids.	1.91	18.7	220.7	4.99	92.2	298.0
MW252S	MW252_S	Broader Management Zone	24/04/2024 11:00	Brown, low turbidity, organic odour, no sheen.	1.46	24.3	229.0	6.43	43.4	249.2
MW255D	MW255_D	Secondary Management Zone	16/04/2024 16:55	Clear, no turbidity, no odour, no sheen.	1.58	20.3	2,211.0	6.68	-95.8	110.0
MW255S	MW255_S	Secondary Management Zone	16/04/2024 16:05	Orange, medium turbidity, no odour, no sheen.	4.58	23.7	357.6	6.03	39.2	245.0
MW256D	MW256_D	Secondary Management Zone	15/04/2024 16:35	Clear, no turbidity, sulfurous odour, no sheen. Suspended solids.	2.30	21.1	667.0	7.18	-102.0	103.8
MW256S	MW256_S	Secondary Management Zone	16/04/2024 14:37	Light brown, no turbidity, organic odour, no sheen.	0.64	22.6	958.0	4.51	159.9	365.7
MW257D	MW257_D	Secondary Management Zone	16/04/2024 14:50	Light yellow, medium turbidity, sulfurous odour, no sheen.	1.15	20.8	946.0	6.00	-132.1	73.7
MW257S	MW257_S	Secondary Management Zone	16/04/2024 14:57	Light brown, low turbidity, sulfurous odour, no sheen.	0.80	22.6	848.0	5.58	22.7	228.5
MW260D	MW260_D	Secondary Management Zone	18/04/2024 15:40	Clear, no turbidity, sulfurous odour, no sheen.	0.74	19.9	13,284.0	5.57	-19.2	186.6
MW260S	MW260_S	Secondary Management Zone	18/04/2024 15:50	Brown, no turbidity, organic odour, no sheen.	2.92	21.4	7,969.0	6.23	-17.3	188.5
MW264D	MW264_D	Other: Background	23/04/2024 15:45	Clear, no turbidity, no odour, no sheen.	2.03	20.4	257.3	6.31	-35.8	170.0
MW264D	MW264_D	Other: Background	27/09/2024 8:23	Grey, medium turbidity, sulfurous odour, no sheen.	0.46	16.2	236.7	6.43	-25.1	180.7
MW264S	MW264_S	Other: Background	23/04/2024 15:40	Brown, low turbidity, sulfurous odour, no sheen.	1.48	20.3	238.6	6.32	-36.4	169.4
MW264S	MW264_S	Other: Background	27/09/2024 8:07	Light orange/brown, low turbidity, sulfurous odour.	0.78	15.6	327.9	5.80	50.0	255.8
MW270D	MW270_D	Broader Management Zone	22/04/2024 10:35	Clear, no turbidity, sulfurous odour, no sheen.	1.44	21.0	1,425.0	6.59	-188.2	17.6
MW270D	MW270_D	Broader Management Zone	20/09/2024 12:25	Yellow, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.06	21.1	142.5	6.49	-27.5	178.3
MW270S	MW270_S	Broader Management Zone	22/04/2024 10:47	Light yellow, no turbidity, no odour, no sheen. Suspended solids.	2.87	21.9	1,509.0	6.46	-79.0	126.8
MW270S	MW270_S	Broader Management Zone	20/09/2024 12:33	Light yellow, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.07	17.4	590.0	6.53	-58.0	147.8
MW271D	MW271_D	Primary Management Zone	24/04/2024 14:35	Yellow, low turbidity, sulfurous odour, no sheen.	0.84	18.7	1,901.0	5.97	18.2	224.0
MW271D	MW271_D	Primary Management Zone	19/09/2024 15:38	Light grey, high turbidity, organic odour, no sheen.	2.49	18.3	189.7	6.39	-46.9	158.9
MW271S	MW271_S	Primary Management Zone	24/04/2024 14:25	Light yellow, low turbidity, sulfurous odour, no sheen.	2.07	19.5	1,921.0	5.64	-28.4	177.4
MW271S	MW271_S	Primary Management Zone	19/09/2024 15:28	Dark grey, medium turbidity, sulfurous odour, no sheen. Suspended solids.	3.82	19.5	429.2	5.49	10.0	215.8
MW278D	MW278_D	Primary Management Zone	16/04/2024 14:20	Brown, no turbidity, no odour, no sheen.	2.60	22.5	367.7	6.73	-176.1	29.7
MW278D	MW278_D	Primary Management Zone	23/09/2024 14:50	Yellow, no turbidity, sulfurous odour, no sheen.	1.28	19.9	384.6	6.64	-35.0	170.8
MW278S	MW278_S	Primary Management Zone	16/04/2024 14:45	Orange, low turbidity, no odour, no sheen.	0.54	23.2	217.0	6.32	-52.9	152.9
MW278S	MW278_S	Primary Management Zone	23/09/2024 14:40	Brown, no turbidity, no odour, no sheen.	1.50	17.9	223.2	6.52	-21.9	183.9
MW279S	MW279_S	Secondary Management Zone	16/04/2024 12:45	Clear, no turbidity, no odour, no sheen. Suspended solids.	0.62	20.0	1,905.0	7.05	-208.3	-2.5
MW279S	MW279_S	Secondary Management Zone	25/09/2024 13:50	Clear, no turbidity, sulfurous odour, no sheen.	1.71	18.2	1,011.0	6.99	-70.5	135.3
MW280S	MW280S_LT, MW280_S	Broader Management Zone	23/04/2024 9:10	Clear, no turbidity, sulfurous odour, no sheen.	1.95	18.5	164.1	4.86	-48.9	156.9
MW280S	MW280S_LT, MW280_S	Broader Management Zone	23/09/2024 9:55	Brown, medium turbidity, sulfurous odour, no sheen.	2.45	16.1	133.6	5.07	92.4	298.2
MW281S	MW281_S	On-base	17/04/2024 14:35	Yellow, low turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.71	21.1	8.3	5.07	-30.9	174.9
MW281S	MW281_S	On-base	25/09/2024 9:55	Brown, low turbidity, sulfurous odour, no sheen. Suspended floc.	1.18	16.5	194.4	5.09	88.3	294.1
MW282S	MW282_S	On-base	17/04/2024 14:25	Light brown, medium turbidity, sulfurous odour, no sheen.	1.82	20.9	9.9	4.77	-24.3	181.5
MW282S	MW282_S	On-base	25/09/2024 9:35	Clear, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.93	16.6	140.1	4.99	101.7	307.5
MW304	BH531	On-base	17/04/2024 10:26	Orange, medium turbidity, no odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	1.86	24.9	1,088.0	5.93	-7.2	198.6
MW304	BH531	On-base	23/04/2024 9:29	Light brown, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve	1.39	23.2	1,549.0	5.95	139.9	345.7
MW315D	MW315_D/MW320D	Secondary Management Zone	23/04/2024 11:20	Clear, no turbidity, no odour, no sheen.	0.63	19.3	91.9	5.58	29.5	235.3
MW315D	MW315_D/MW320D	Secondary Management Zone	23/09/2024 11:31	Light yellow, no turbidity, no odour, no sheen.	0.78	18.6	86.7	5.52	61.2	267.0
MW315S	MW315_S/MW320S	Secondary Management Zone	23/04/2024 11:20	Clear, no turbidity, no odour, no sheen.	0.91	19.7	162.1	4.93	-31.6	174.2
MW315S	MW315_S/MW320S	Secondary Management Zone	23/09/2024 11:26	Yellow, no turbidity, no odour, no sheen.	2.53	17.0	183.0	4.92	107.7	313.5
MW316D	MW316_D/MW319D	Broader Management Zone	16/04/2024 11:05	Light yellow, no turbidity, no odour, no sheen.	0.67	19.8	24,857.0	6.73	-112.0	93.8
MW317D	MW317_D	On-base	17/04/2024 10:05	Yellow, medium turbidity, no odour, no sheen. Black staining on the Hydrasleeve.	1.43	20.1	177.0	5.57	5.8	211.6
MW317S	MW317_S	On-base	17/04/2024 9:55	Brown, high turbidity, sulfurous odour, no sheen.	0.70	22.9	143.3	5.06	-44.5	161.3
MW318D	MW318_D	Secondary Management Zone	22/04/2024 12:30	Clear, no turbidity, no odour, no sheen.	1.09	20.2	265.7	6.06	-15.7	190.1
MW318S	MW318_S	Secondary Management Zone	22/04/2024 12:15	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.45	21.8	187.7	5.23	-52.4	153.4
MW329		On-base	18/04/2024 8:30	Brown, low turbidity, sulfurous odour, no sheen.	2.01	19.7	181.2	4.87	-56.6	149.2
MW329		On-base	25/09/2024 9:45	Brown, medium turbidity, sulfurous odour, no sheen. Suspended solids.	0.92	16.9	176.7	4.87	112.7	318.5
MW340D	MW340_D	On-base	18/04/2024 14:50	Clear, no turbidity, sulfurous odour, no sheen.	3.72	20.1	114.6	6.17	29.5	235.3
MW340D	MW340_D	On-base	25/09/2024 10:50	Light brown, low turbidity, no odour, no sheen. Suspended organics.	6.45	18.0	94.0	6.27	51.6	257.4
MW340S	MW340_S	On-base	18/04/2024 10:40	Clear, no turbidity, sulfurous odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	1.07	20.2	182.1	4.32	-24.4	181.4
MW340S	MW340_S	On-base	18/04/2024 14:30	Light brown, no turbidity, no odour, no sheen.	1.73	21.3	189.6	4.19	9.8	215.6
MW340S	MW340_S	On-base	25/09/2024 11:00	Clear, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.36	16.3	161.7	4.50	128.6	334.4
MW342D	MW342_D	On-base	18/04/2024 9:40	Clear, no turbidity, no odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	5.41	21.1	179.5	7.02	8.9	214.7
MW342D	MW342_D	On-base	18/04/2024 13:35	Light yellow, no turbidity, no odour, no sheen.	1.92	20.3	176.2	6.57	37.8	243.6
MW342D	MW342_D	On-base	25/09/2024 10:30	Clear, no turbidity, no odour, no sheen.	4.19	17.8	167.9	6.79	2.9	208.7
MW344D	MW344_D	On-base	18/04/2024 8:55	Clear, no turbidity, no odour, no sheen.	3.96	20.9	204.1	6.59	-11.8	194.0
MW344D	MW344_D	On-base	18/04/2024 13:16	Light grey, no turbidity, organic odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	2.89	21.6	210.3	6.72	30.8	236.6
MW344D	MW344_D	On-base	25/09/2024 10:16	Clear, medium turbidity, sulfurous odour, no sheen. Suspended organics.	1.62	19.7	190.6	6.55	-53.8	152.0
MW344S	MW344_S	On-base	18/04/2024 9:10	Clear, no turbidity, sulfurous odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	3.76	21.5	69.2	5.37	47.7	253.5
MW344S	MW344_S	On-base	18/04/2024 13:23	Light yellow, no turbidity, organic odour, no sheen.	1.09	21.3	59.1	5.47	-21.1	184.7
MW344S	MW344_S	On-base	25/09/2024 10:10	Clear, low turbidity, sulfurous odour, no sheen. Suspended white organics.	1.26	17.6	76.4	5.04	122.0	327.8

Table T2 - Groundwater Quality Parameters and Observations

					Water Quality Parameters					
Location Code	**Alternative Name**	**On-base/Management Zone**	**Sampled/ Visit Date Time**	**Sample Comment**	**Dissolved Oxygen**	**Temperature**	**Electrical Conductivity**	**pH**	**Oxidation-Reduction Potential Er**	**Oxidation-Reduction Potential Eh (Corrected)**
					mg/L	°C	µS/cm	pH_Units	mV	mV
MW354S	MW354	On-base	18/04/2024 10:20	Clear, no turbidity, sulfurous odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	2.10	20.4	110.4	4.58	-44.3	161.5
MW354S	MW354	On-base	18/04/2024 14:15	Clear, no turbidity, sulfurous odour, no sheen.	0.70	20.1	106.9	4.49	-28.1	177.7
MW354S	MW354	On-base	25/09/2024 10:40	Clear, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.70	16.7	138.0	4.95	101.3	307.1
MW406	W6	On-base	17/04/2024 11:33	Clear, no turbidity, no odour, no sheen.	2.68	22.8	118.4	4.77	-	-
MW441	W41	On-base	23/04/2024 9:40	Clear, no turbidity, no odour, no sheen.	4.15	22.1	470.5	5.95	137.6	343.4
MW466	W66	On-base	18/04/2024 10:55	Light yellow, no turbidity, organic odour, no sheen. Suspended organics, and sediment at base of Hydrasleeve.	1.66	22.7	117.7	5.17	-17.9	187.9
MW466	W66	On-base	24/09/2024 12:03	Orange, low turbidity, sulfurous odour, no sheen. Suspended solids.	1.10	20.0	133.2	5.37	59.7	265.5
MW468	W68	On-base	18/04/2024 10:45	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.50	20.6	1,262.0	5.85	-97.4	108.4
MW468	W68	On-base	24/09/2024 12:12	Orange, low turbidity, sulfurous odour, no sheen. Suspended solids.	1.29	18.1	114.9	5.58	50.1	255.9
MW731D	MW731_D	Primary Management Zone	23/04/2024 15:43	Clear, no turbidity, no odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	4.04	23.4	1,806.0	6.74	8.3	214.1
MW731D	MW731_D	Primary Management Zone	9/05/2024 16:42	Clear, no turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	3.86	18.7	5.0	6.25	-73.5	132.3
MW731D	MW731_D	Primary Management Zone	23/09/2024 15:15	Grey, low turbidity, no odour, no sheen.	1.29	19.2	293.1	6.22	-11.8	194.0
MW731S	MW731_S	Primary Management Zone	23/04/2024 15:35	n/a - monitoring well not found	n/a	n/a	n/a	n/a	n/a	n/a
MW731S	MW731_S	Primary Management Zone	2/08/2024 9:34	Clear, no turbidity, no odour, no sheen.	3.89	16.3	271.3	5.70	117.0	322.8
MW731S	MW731_S	Primary Management Zone	23/09/2024 15:05	Clear, no turbidity, no odour, no sheen.	1.47	19.1	169.7	5.76	37.5	243.3
MW829	PS9_BORE 30, MW652	Secondary Management Zone	22/04/2024 11:20	Clear, no turbidity, no odour, no sheen.	3.67	23.2	180.9	5.25	235.3	441.1
MW829	PS9_BORE 30, MW652	Secondary Management Zone	26/09/2024 9:50	Clear, no turbidity, no odour, no sheen.	5.54	17.1	157.9	5.16	129.3	335.1
MW842	SK3496_D	Broader Management Zone	23/04/2024 16:19	Clear, no turbidity, no odour, no sheen.	0.30	21.8	214.7	5.45	44.7	250.5
MW844	SK3496_S	Broader Management Zone	23/04/2024 16:39	Clear, no turbidity, no odour, no sheen.	0.02	22.3	122.5	5.73	-2.8	203.0
MW844	SK3496_S	Broader Management Zone	29/07/2024 9:12	Light brown, no turbidity, slight organic odour, no sheen. Well redevelopment (final reading), no sample collected.	0.99	17.5	141.2	5.27	16.7	222.5
MW844	SK3496_S	Broader Management Zone	31/07/2024 11:38	Sulfurous odour, light brown, no turbidity, no sheen.	1.03	16.9	98.3	5.17	16.6	222.4
MW886	DFIG_MW02	On-base	23/04/2024 9:58	Brown, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	1.82	23.5	178.9	5.11	242.0	447.8
MW897D		Secondary Management Zone	24/04/2024 9:15	Clear, no turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	1.37	19.6	1,999.0	6.83	-117.7	88.1
MW897S		Secondary Management Zone	24/04/2024 9:26	Brown, no turbidity, organic odour, no sheen. Sediment at base of Hydrasleeve.	0.87	21.5	363.5	5.46	159.3	365.1
POT046	BWS046	Secondary Management Zone	24/04/2024 12:00	n/a - bore not accessed, residential appointment not confirmed.	n/a	n/a	n/a	n/a	n/a	n/a
POT085	BWS085	Broader Management Zone	24/04/2024 12:00	n/a - bore not accessed, residential appointment not confirmed.	n/a	n/a	n/a	n/a	n/a	n/a
POT107	BWS107	Broader Management Zone	23/04/2024 12:30	Light brown, no turbidity, no odour, no sheen.	2.26	23.8	1,849.0	5.73	130.8	336.6
POT144	BWS144	Broader Management Zone	9/05/2024 16:07	Clear, no turbidity, no odour, no sheen.	3.32	18.8	103.0	6.40	-63.7	142.1
POT236	BWS236	Broader Management Zone	24/04/2024 12:00	n/a - bore not accessed, residential appointment not confirmed.	n/a	n/a	n/a	n/a	n/a	n/a
POT382		Broader Management Zone	23/04/2024 16:25	Clear, no turbidity, no odour, no sheen.	1.38	23.6	3,230.0	7.88	-17.9	187.9
POT382		Broader Management Zone	20/09/2024 13:24	Clear, no turbidity, no odour, no sheen.	2.20	22.4	2,208.0	8.02	-158.7	47.1

Notes

Corrected field Oxidation-Reduction Potential measurement Eh = Er + 205.8

mg/L	milligrams per Litre
°C	degrees Celsius
µS/cm	microSiemens per centimetre
mV	milliVolts
n/a	not applicable
-	not measured

Table T3 - Surface Water Quality Parameters and Observations

								Water Quality Parameters					
								Dissolved Oxygen	Temperature	Electrical Conductivity	pH	Oxidation-Reduction Potential Er	Oxidation-Reduction Potential Eh (Corrected)
Location Code	**Alternative Name**	**On-base/ Management Zone**	**Sampled/Visit Date/Time**	**Location Comments**	**Sample Depth From (m)**	**Sample Depth To (m)**	**Sample Comment**	mg/L	°C	µS/cm	pH_Units	mV	mV
SW001	MD1	Secondary Management Zone	24/04/2024 11:40	Creek/drain. Waterbody 4 m wide, 0.4m deep. Water flow not observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	4.33	25.0	272.2	5.95	103.6	309.4
SW001	MD1	Secondary Management Zone	25/09/2024 8:06	Creek/drain. 5m wide, 0.6m deep. Water flow observed.	0.30	0.40	Orange, no turbidity, organic odour, no sheen. Suspended organics.	5.25	18.2	154.1	5.97	152.7	358.5
SW005	MD5	Broader Management Zone	16/04/2024 15:50	Creek/drain. Waterbody 2.5 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Brown, low turbidity, sulfuric odour, biosheen.	3.44	22.8	2,539.0	6.43	44.9	250.7
SW005	MD5	Broader Management Zone	27/09/2024 10:25	Creek. 5m wide, 0.2m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	6.08	15.8	537.0	6.22	138.5	344.3
SW006	MD6	Secondary Management Zone	24/04/2024 12:15	Creek. Waterbody 2 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, no sheen. Suspended solids.	7.20	22.4	186.8	7.15	67.3	273.1
SW006	MD6	Secondary Management Zone	25/09/2024 8:30	Creek/drain. 3m wide, 0.3m deep. No water flow observed. Biosheen on water surface.	0.10	0.20	Light yellow, no turbidity, no odour, biosheen. Suspended organics.	4.16	15.8	283.0	7.16	142.9	348.7
SW007	MD7	Secondary Management Zone	24/04/2024 12:05	Creek. Waterbody 1.5 m wide, 0.3 m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	8.14	23.0	332.2	7.11	61.4	267.2
SW007	MD7	Secondary Management Zone	25/09/2024 8:19	Creek/drain. 4m wide, 0.3m deep. No water flow observed. Biosheen on water surface.	0.10	0.20	Clear, no turbidity, no odour, biosheen.	5.22	16.8	129.5	6.57	151.3	357.1
SW009	MD8	Secondary Management Zone	22/04/2024 13:00	Creek. Waterbody 4 m wide, 0.4 m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	4.71	23.2	129.3	5.92	92.6	298.4
SW009	MD8	Secondary Management Zone	23/09/2024 16:30	Creek. 3m wide, 0.3m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, no sheen.	6.68	23.6	170.0	6.17	72.9	278.7
SW011	MD10	Secondary Management Zone	23/04/2024 14:00	Drain. Waterbody 1 m wide, 0.1 m deep. Water flow observed.	0.00	0.10	Clear, no turbidity, no odour, no sheen.	3.22	22.8	219.4	5.07	132.6	338.4
SW011	MD10	Secondary Management Zone	26/09/2024 12:00	Creek. 1m wide, 0.4m deep. Water flow observed.	0.20	0.30	Clear, low turbidity, organic odour, no sheen.	6.25	15.2	151.8	5.94	71.4	277.2
SW014	MD14	Broader Management Zone	16/04/2024 15:17	Creek/drain. Waterbody 4 m wide, 0.4 m deep. Water flow observed.	0.20	0.30	Brown, no turbidity, sulfuric odour, biosheen.	3.97	22.7	1,488.0	5.84	26.2	232.0
SW014	MD14	Broader Management Zone	27/09/2024 8:55	Creek. 5m wide, >0.3m deep. Water flow observed.	0.10	0.20	Light yellow, no turbidity, no odour, no sheen.	4.65	15.3	178.5	6.00	77.6	283.4
SW019	TC12	Secondary Management Zone	22/04/2024 11:21	Creek. Waterbody 6 m wide, 1 m deep. Water flow observed.	0.40	0.50	Light yellow, no turbidity, organic odour, no sheen.	2.64	21.5	1,978.0	6.60	4.4	210.2
SW019	TC12	Secondary Management Zone	20/09/2024 11:50	Creek. 3m wide, 0.5m deep. Water flow observed.	0.20	0.20	Light brown, no turbidity, no odour, no sheen.	6.87	23.2	1,468.0	7.96	74.0	279.8
SW023	TC6A	Secondary Management Zone	16/04/2024 16:35	Creek. Waterbody 4 m wide, >0.5 m deep. Water flow observed.	0.20	0.30	Light brown, low turbidity, no odour, biosheen.	6.25	22.0	2,372.0	7.46	53.8	259.6
SW023	TC6A	Secondary Management Zone	27/09/2024 11:15	Creek. 5m wide, >0.3m deep. Water flow observed.	0.10	0.20	Light yellow, no turbidity, no odour, no sheen.	6.48	15.8	1,078.0	7.45	94.7	300.5
SW024	TC7	Broader Management Zone	16/04/2024 16:35	Creek. Waterbody 3 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Light brown, low turbidity, no odour, no sheen.	5.15	21.5	11,173.0	7.05	84.1	289.9
SW024	TC7	Broader Management Zone	27/09/2024 10:55	Creek. 6m wide, >0.4m deep. Water flow observed.	0.10	0.20	Light brown, low turbidity, no odour, no sheen.	5.09	16.5	9,297.0	6.76	78.3	284.1
SW047	BD03	On-base	18/04/2024 9:40	Creek/drain. Waterbody 3 m wide, >0.4 m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, biosheen.	4.95	28.3	147.0	6.26	24.6	230.4
SW047	BD03	On-base	24/09/2024 12:55	Drain. 3m wide, 0.4m deep. Water flow observed. Vegetation on water surface (lily pads).	0.20	0.30	Light yellow, no turbidity, organic odour, no sheen.	4.01	23.8	130.1	5.42	172.0	377.8
SW048	BD04	On-base	18/04/2024 11:45	Creek. Waterbody 2 m wide, 0.5 m deep. Water flow not observed.	0.20	0.30	Light brown, no turbidity, no odour, no sheen.	10.28	26.1	93.0	6.28	16.8	222.6
SW048	BD04	On-base	24/09/2024 13:42	Drain. 3m wide, 0.15m deep. No water flow observed.	0.10	0.10	Light brown, no turbidity, no odour, no sheen.	7.18	27.6	98.1	5.88	159.1	364.9
SW055	DD1	On-base	17/04/2024 15:27	Drain. Waterbody 2 m wide, 0.3 m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	2.90	21.0	109.6	5.92	35.8	241.6
SW055	DD1	On-base	24/09/2024 11:35	Drain. 2m wide, 0.3m deep. Water flow observed. Algae on water surface.	0.20	0.20	Light yellow, no turbidity, organic odour, no sheen.	3.48	18.6	112.4	6.10	38.7	244.5
SW059	DD2	Secondary Management Zone	16/04/2024 13:45	Creek/drain. Waterbody 2.5 m wide, 0.3 m deep. Water flow not observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	2.98	23.6	386.2	4.45	279.3	485.1
SW059	DD2	Secondary Management Zone	23/09/2024 13:55	Creek. 4m wide, 0.5m deep. Water flow observed.	0.20	0.30	Orange, no turbidity, no odour, suspected biosheen. Suspended organics.	5.39	25.8	238.0	6.39	64.8	270.6
SW060	DD3	Primary Management Zone	22/04/2024 12:35	Creek/drain. Waterbody 3 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Yellow, no turbidity, no odour, no sheen.	2.71	21.5	1,476.0	5.59	66.1	271.9
SW060	DD3	Primary Management Zone	19/09/2024 17:10	Creek. 2m wide, 0.4m deep. Water flow observed.	0.20	0.20	Brown, no turbidity, no odour, no sheen.	2.05	19.6	173.1	5.69	105.9	311.7
SW062	DD5	Broader Management Zone	22/04/2024 12:10	Creek. Waterbody 4 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Yellow, no turbidity, no odour, no sheen.	2.37	23.1	1,915.0	6.78	-14.7	191.1
SW062	DD5	Broader Management Zone	20/09/2024 12:50	Creek. 5m wide, 0.5m deep. Water flow observed.	0.30	0.30	Light brown, no turbidity, no odour, no sheen.	5.49	18.4	1,276.0	7.32	29.6	235.4
SW079	TC2	Broader Management Zone	16/04/2024 9:52	Creek. Waterbody 4 m wide, 0.4 m deep. Water flow not observed.	0.10	0.20	Clear, no turbidity, no odour, biosheen.	1.44	20.3	2,963.0	6.58	30.7	236.5
SW079	TC2	Broader Management Zone	25/09/2024 13:20	Creek. 3m wide, 0.5m deep. Water flow observed. Biosheen on water surface.	0.20	0.30	Light brown, no turbidity, organic odour, biosheen.	1.80	16.9	2,559.0	6.78	-63.0	142.8
SW081	TFD1	Broader Management Zone	23/04/2024 13:05	Creek. Waterbody 4 m wide, 1 m deep. Water flow observed.	0.40	0.50	Light yellow, no turbidity, no odour, no sheen.	4.25	22.5	2,051.0	6.35	97.8	303.6
SW081	TFD1	Broader Management Zone	20/09/2024 9:03	Creek. 2m wide, 0.5m deep. Water flow observed. Biosheen on water surface.	0.30	0.30	Light brown, no turbidity, organic odour, no sheen.	2.10	21.7	695.0	6.77	54.8	260.6
SW108	LC	On-base	18/04/2024 11:15	Lake Cochran. Waterbody 50 m wide, >1 m deep. Water flow not observed.	0.40	0.50	Light brown, no turbidity, no odour, no sheen.	5.74	23.3	65.2	6.53	35.7	241.5
SW108	LC	On-base	24/09/2024 12:35	Lake Cochran. 100m wide, 300m long, >0.5m deep. No water flow observed.	0.30	0.40	Light yellow, no turbidity, no odour, no sheen. Suspended organics.	4.37	25.1	137.6	6.82	24.3	230.1
SW110	LC_B	On-base	18/04/2024 11:30	Lake Cochran. Waterbody 50 m wide, >1 m deep. Water flow not observed.	0.40	0.50	Clear, no turbidity, no odour, no sheen.	6.43	23.6	174.9	6.29	66.9	272.7
SW110	LC_B	On-base	25/09/2024 11:20	Lake Cochran. 100m wide, 300m long, >0.5m deep. No water flow observed.	0.30	0.40	Clear, no turbidity, no odour, no sheen.	6.68	19.7	119.1	6.56	87.6	293.4
SW259	FCD4	Broader Management Zone	23/04/2024 8:22	Creek. Waterbody 7 m wide, 1 m deep. Water flow observed.	0.40	0.50	Light yellow, no turbidity, no odour, no sheen.	3.80	18.3	2,443.0	6.41	280.1	485.9
SW259	FCD4	Broader Management Zone	20/09/2024 9:45	Creek. 5m wide, 1m deep. Water flow observed.	0.40	0.50	Light brown, low turbidity, organic odour, no sheen.	3.95	19.9	15,035.0	7.18	61.3	267.1
SW333		Primary Management Zone	22/04/2024 15:40	Creek. Waterbody 4 m wide, 1m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, no sheen.	4.21	21.0	177.5	4.21	282.5	488.3
SW333		Primary Management Zone	19/09/2024 16:30	Creek. 3m wide, 0.5m deep. Water flow observed.	0.30	0.30	Light yellow, no turbidity, no odour, no sheen.	4.32	18.3	192.6	5.97	70.7	276.5
SW582		On-base	24/04/2024 12:45	Stormater drain (manhole). Waterbody 0.8m wide, water between 3.080 and 3.100 mbgl. Water flow observed.	0.00	0.05	Yellow/Brown, no turbidity, no odour, no sheen.	3.45	24.3	77.5	5.76	32.7	238.5
SW582		On-base	25/09/2024 15:20	Closed drain (manhole). 1m wide, 4m to SWL, approximately 0.1m depth. Water flow observed.	0.00	0.10	Clear, no turbidity, no odour, no sheen.	4.33	21.5	125.2	5.71	79.3	285.1
SW588		On-base	23/04/2024 10:15	Stormwater drain. Dry.	n/a	n/a	n/a - not sampled	n/a	n/a	n/a	n/a	n/a	n/a
SW588		On-base	25/09/2024 14:51	Closed drain (stormwater grate). 1.5m long, 1m wide, 0.4m deep. No water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen. Suspended organics.	2.27	20.0	192.6	6.79	-14.8	191.0
SW600		Secondary Management Zone	22/04/2024 13:57	Creek. Waterbody 5 m wide, 1 m deep. Water flow observed.	0.40	0.50	Yellow/Orange, no turbidity, organic odour, biosheen.	2.64	22.2	1,985.0	7.00	-93.8	112.0
SW600		Secondary Management Zone	19/09/2024 14:40	Creek. 5m wide, >1m deep. Water flow observed.	0.40	0.50	Light brown, low turbidity, no odour, no sheen.	4.28	23.7	3,382.0	7.37	23.8	229.6

Notes
Corrected field Oxidation-Reduction Potential measurement Eh = Er + 205.8

mg/L	milligrams per Litre
°C	degrees Celsius
µS/cm	microSiemens per centimetre
mV	milliVolts
n/a	not applicable

Table T4 - Sediment Observations

Location Code	Alternative Name	On-base/ Management Zone	Sampled Date Time	Sample Depth From (m)	Sample Depth To (m)	Sample Comment
SD001	MD1	Secondary Management Zone	24/04/2024 11:40	0.10	0.20	Silty CLAY: dark brown, low plasticity, saturated, with organic inclusions. No odour, no staining.
SD001	MD1	Secondary Management Zone	25/09/2024 8:05	0.00	0.10	Silty SAND: dark grey, fine to medium grain, poorly graded, organic inclusions (leaf litter), saturated. No odour or staining.
SD005	MD5	Broader Management Zone	16/04/2024 15:38	0.10	0.20	Gravelly SAND: brown, medium to coarse grain, gravel subangular, trace silt, saturated. Sulfuric odour, no staining.
SD005	MD5	Broader Management Zone	27/09/2024 10:25	0.10	0.20	SILT: dark brown, low plasticity, with sub-angular gravels, organic inclusions (leaves and twigs). No odour or staining.
SD006	MD6	Secondary Management Zone	24/04/2024 12:15	0.20	0.30	Sandy CLAY: dark brown, fine grain sand, medium plasticity, saturated, with trace organic inclusions (rootlets). No odour, no staining.
SD006	MD6	Secondary Management Zone	25/09/2024 8:30	0.00	0.10	SILT: dark brown, low plasticity, minor organic inclusions (rootlets), wet. No odour or staining.
SD007	MD7	Secondary Management Zone	24/04/2024 12:05	0.10	0.20	Sandy GRAVEL: brown, fine grain sand, coarse gravel, wet, with trace organic inclusions (rootlets). Organic odour, no staining.
SD007	MD7	Secondary Management Zone	25/09/2024 8:15	0.00	0.20	SAND: brown, fine to coarse grain, with organic inclusions (rootlets), moist. No odour, no staining.
SD009	MD8	Secondary Management Zone	22/04/2024 13:00	0.10	0.20	Clayey SAND: white with brown clay, medium grained, poorly graded, saturated, with organic inclusions (rootlets). No odour, no staining.
SD009	MD8	Secondary Management Zone	23/09/2024 16:20	0.20	0.30	SAND: grey, fine to medium grain sands, poorly graded, saturated. No odour, no staining.
SD011	MD10	Secondary Management Zone	23/04/2024 14:00	0.10	0.20	SAND: grey, fine to medium grained, poorly graded, saturated, with trace organic inclusions (rootlets and leaves). No odour, no staining.
SD011	MD10	Secondary Management Zone	26/09/2024 12:00	0.10	0.20	SAND: dark grey, medium grain, poorly graded, saturated. No odour, no staining.
SD014	MD14	Broader Management Zone	16/04/2024 15:25	0.10	0.20	Sandy SILT: brown, fine grain sand, low plasticity, saturated, with organic inclusions (roots and leaf litter). Sulfuric odour, no staining.
SD014	MD14	Broader Management Zone	27/09/2024 8:55	0.10	0.20	SAND: grey, medium grain, poorly graded, organic inclusions (leaf litter), saturated. No odour, no staining.
SD019	TC12	Secondary Management Zone	22/04/2024 11:15	0.10	0.20	Gravelly SILT: brown, fine grain with large gravels, wet, with trace organic inclusions (rootlets). No odour, no staining.
SD019	TC12	Secondary Management Zone	20/09/2024 11:35	0.20	0.30	Silty CLAY: dark grey, medium plasticity, with organic inclusions (rootlets), saturated. No odour, no staining.
SD023	TC6A	Secondary Management Zone	16/04/2024 16:35	0.10	0.20	Silty CLAY: brown, low plasticity, saturated, with organic inclusions (rootlets). No odour, no sheen.
SD023	TC6A	Secondary Management Zone	27/09/2024 11:15	0.10	0.20	SILT: black, low plasticity, minimal organic inclusions (leaf litter), saturated. Organic odour, no staining.
SD024	TC7	Broader Management Zone	16/04/2024 16:39	0.10	0.20	Sandy SILT: brown, fine grain sand, high plasticity, with organic inclusions (roots and grass). Organic odour, no staining.
SD024	TC7	Broader Management Zone	27/09/2024 10:55	0.10	0.20	SAND: dark brown, medium grain, poorly graded, organic inclusion (rootlets), wet. No odour or staining.
SD047	BD03	On-base	18/04/2024 9:40	0.20	0.30	Silty SAND: light grey with brown silt, medium grained, poorly graded, saturated, with organic inclusions (rootlets). No odour, no staining.
SD047	BD03	On-base	24/09/2024 12:40	0.00	0.10	SAND: grey, medium grain, poorly graded, saturated. No odour or staining.
SD048	BD04	On-base	18/04/2024 11:50	0.20	0.30	Sandy SILT: brown, fine to medium grain sand, low plasticity, with organic inclusions (roots and grass). No odour, no staining.
SD048	BD04	On-base	24/09/2024 13:35	0.00	0.10	SAND: grey/brown, medium grain, poorly graded, saturated. No odour or staining.
SD055	DD1	On-base	17/04/2024 15:20	0.10	0.20	Sandy SILT: brown, fine grain sand, no plasticity, moist, with organic inclusions (roots and grass). No odour, no staining.
SD055	DD1	On-base	24/09/2024 11:40	0.20	0.30	Gravelly SAND: dark grey, medium grain, poorly graded, coarse and angular gravels, trace silt, saturated. No odour or staining.
SD059	DD2	Secondary Management Zone	16/04/2024 13:45	0.10	0.20	SAND with silt: white to grey with black silts, medium-coarse grained, poorly graded, low plasticity, saturated. No odour, no staining.
SD059	DD2	Secondary Management Zone	23/09/2024 13:50	0.20	0.20	Silty SAND: grey to black, medium to coarse grain, trace silt and organic matter (roots), saturated. No odour or staining.
SD060	DD3	Primary Management Zone	22/04/2024 12:30	0.10	0.20	Silty SAND: grey to brown, fine grain sand, saturated, with trace organic inclusion (rootlets). No odour, no staining.
SD060	DD3	Primary Management Zone	19/09/2024 16:55	0.20	0.30	Sandy SILT: dark brown, low plasticity, fine grain sand, with organic inclusions (rootlets), saturated. Organic odour, no staining
SD062	DD5	Broader Management Zone	22/04/2024 12:18	0.10	0.20	Sandy SILT: brown, fine grain, saturated. No odour, no staining.
SD062	DD5	Broader Management Zone	20/09/2024 13:05	0.00	0.10	Silty SAND: Yellow/brown, medium to coarse grain, with organic inclusions (twigs/leaves), saturated. No odour, no staining.
SD079	TC2	Broader Management Zone	16/04/2024 9:48	0.10	0.20	Sandy SILT: brown, fine grain sand, low plasticity, with organic inclusions (roots and grass). Organic odour, no staining.
SD079	TC2	Broader Management Zone	25/09/2024 13:16	0.00	0.20	Silty CLAY: brown, medium plasticity, with fine grain sands, organic inclusions (rootlets), moist. No odour or staining.
SD081	TFD1	Broader Management Zone	23/04/2024 12:55	0.10	0.20	Gravelly SILT: brown, medium to large grain inclusions, low plasticity. No odour, no staining.
SD081	TFD1	Broader Management Zone	20/09/2024 9:15	0.20	0.30	SILT: dark brown to black, no plasticity, with fine grain sand, with organic inclusions (roots and reeds), saturated. Sulfurous odour, no staining
SD108	LC	On-base	18/04/2024 11:27	0.20	0.30	Sandy SILT: brown, fine grain sand, no plasticity, saturated, with organic inclusions (roots and grass). Organic odour, no staining.
SD108	LC	On-base	25/09/2024 11:35	0.10	0.20	SAND: white and grey, medium to coarse grain, poorly graded, trace silt, saturated. No odour or staining.
SD110	LC_B	On-base	18/04/2024 11:32	0.10	0.20	Silty SAND: light grey with dark brown silt, medium grain, poorly graded, saturated, with organic inclusions. No odour, no staining.
SD110	LC_B	On-base	25/09/2024 11:25	0.10	0.20	SILT: dark brown, low plasticity, trace sands, organic inclusions (rootlets and leaf litter), saturated. No odour, no staining.
SD254	FC1A	Other: Fullerton Cove (tidal gate outlet)	23/04/2024 8:40	0.10	0.20	Silty CLAY: brown, medium plasticity, with trace organic inclusions (rootlets). No odour, no staining.
SD254	FC1A	Other: Fullerton Cove (tidal gate outlet)	20/09/2024 10:17	0.10	0.20	SAND: light brown, medium to coarse grain, with shell fragments, trace organic inclusions (rootlets), saturated. No odour, no staining.
SD255	FC1B	Other: Fullerton Cove (tidal gate outlet)	23/04/2024 8:35	0.10	0.20	SAND: grey to brown, with organic inclusions (shells and some rootlets). No odour, no staining.
SD255	FC1B	Other: Fullerton Cove (tidal gate outlet)	20/09/2024 10:10	0.20	0.30	Sandy CLAY: brown, medium plasticity, fine grain sand, with organic inclusions (roots), trace shell fragments, moist. No odour, no staining. Significant bank erosion near sampling point.
SD259	FCD4	Broader Management Zone	23/04/2024 8:25	0.10	0.20	Sandy SILT: brown and grey, fine grain, no plasticity, saturated. No odour, no staining.
SD259	FCD4	Broader Management Zone	20/09/2024 9:45	0.20	0.20	Sandy CLAY: brown, medium plasticity, medium grain sand, saturated. No odour, no staining.
SD326	FC1C	Other: Fullerton Cove (tidal gate outlet)	23/04/2024 8:45	0.20	0.30	Sandy CLAY: brown with white sand, fine grain, no plasticity, with trace inclusions (small shell fragments). No odour, no staining.
SD326	FC1C	Other: Fullerton Cove (tidal gate outlet)	20/09/2024 10:04	0.20	0.30	Sandy CLAY: brown, medium plasticity, fine grain sand, with organic inclusions (roots), moist. No odour, no staining. Significant bank erosion near sampling point.
SD333		Primary Management Zone	22/04/2024 15:50	0.10	0.20	Sandy CLAY: dark brown, fine grains, saturated, with trace organic matter (rootlets). No odour, no staining.
SD333		Primary Management Zone	19/09/2024 16:15	0.20	0.30	Silty CLAY: dark brown, medium plasticity, with organic inclusions (rootlets). Organic odour, no staining.
SD600		Secondary Management Zone	22/04/2024 14:05	0.20	0.30	Silty CLAY: dark brown, fine grain, saturated, with trace organic inclusions (rootlets). Organic odour, no staining.
SD600		Secondary Management Zone	19/09/2024 14:36	0.20	0.30	Sandy SILT: brown to grey, medium plasticity, fine grain sand, with organic inclusions (rootlets), saturated. Organic odour, no staining.

Table T5 - Historical Groundwater Analytical Results

								PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
								Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
								µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR								0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water								**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water								**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%								*19*	*0.00023*																													
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																																
MW104D	11 Nov 2014	MW104_D_11112014	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		**2.6**	*70*	20	**90**	-	2.3	-	-	<0.01	-	1.2	5.6	0.94	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		**4.75**	*103*	33.8	**136.8**	167	4.5	4.13	3.78	<0.02	1.3	1.37	9.02	1.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		-	-	-	**137**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		**2.3**	*101*	17.6	**118.6**	134	1.62	1.93	3.44	<0.02	0.5	0.67	4.7	0.79	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		-	-	-	**119**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104D	27 May 2020	0908_MW104D_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A		**1.44**	*58.8*	13.7	**72.5**	84.2	1.21	1.72	2.10	0.06	0.4	0.53	3.72	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	13 May 2021	0908_MW104D_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A		**0.84**	*31.2*	7.97	**39.2**	46.0	0.68	0.99	1.21	<0.02	0.1	0.38	2.32	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	17 May 2022	0908_MW104D_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A		**0.88**	*44.3*	8	**52.3**	59.6	0.60	0.97	1.10	0.04	0.3	0.47	2.48	0.45	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	17 May 2023	0908_MW104D_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A		0.56	*37.3*	4.96	**42.3**	46.3	0.28	0.43	0.88	0.03	0.2	0.24	1.22	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	24 Apr 2024	0908_MW104D_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A		**0.66**	*36.4*	5.58	**42**	47.7	0.41	0.63	1.05	0.05	0.2	0.23	1.65	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	11 Nov 2014	MW104_S_11112014	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		0.02	*0.51*	0.6	**1.11**	-	0.07	-	-	<0.01	-	<0.01	0.1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104S	11 Nov 2014	QC106_GW_11112014	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		0.06	*0.94*	1.3	**2.24**	-	0.11	-	-	<0.01	-	<0.01	0.22	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		0.47	*6.66*	5.26	**11.9**	15.2	0.62	0.57	0.45	<0.02	<0.1	0.15	0.88	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		-	-	-	**11.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		0.32	*19.6*	2.71	**22.3**	24.6	0.21	0.29	0.35	<0.02	<0.1	0.17	0.87	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A		-	-	-	**22.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104S	27 May 2020	0908_MW104S_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A		0.35	*25.6*	3.51	**29.1**	32.0	0.24	0.35	0.44	<0.02	0.1	0.20	1.05	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	13 May 2021	0908_MW104S_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A		0.19	*6.43*	2.14	**8.57**	10.0	0.18	0.24	0.20	<0.02	<0.1	0.09	0.47	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	17 May 2022	0908_MW104S_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A		0.07	*4.76*	0.85	**5.61**	6.09	0.06	0.09	0.07	<0.02	<0.1	0.02	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	17 May 2023	0908_MW104S_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A		0.04	*2.25*	0.92	**3.17**	3.60	0.06	0.09	0.04	<0.02	<0.1	0.04	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	24 Apr 2024	0908_MW104S_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A		0.38	*3.65*	7.06	**10.7**	14.6	0.35	0.68	0.32	<0.02	0.2	0.31	1.31	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	10 Nov 2014	MW106D_10112014	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.14*	2.1	**2.24**	-	0.18	-	-	<0.01	-	<0.01	0.49	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106D	19 Jan 2016	MW106D_19012016	Normal	NSW_0908_PFAS	On-base	-		**0.66**	<0.01	3.89	**3.89**	-	0.21	-	-	<0.02	-	-	0.48	0.07	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW106D	25 Aug 2016	MW106D_250816	Normal	NSW_0908_PFAS	On-base	-		0.14	*0.77*	1.2	**1.97**	-	0.03	-	-	<0.01	<0.05	0.01	0.18	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106D	17 Oct 2016	MW106D_171016	Normal	NSW_0908_PFAS	On-base	-		0.1	*0.36*	0.84	**1.2**	-	0.04	-	-	<0.01	<0.05	0.02	0.14	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	19 Jan 2017	MW106D_1901117	Normal	NSW_0908_PFAS	On-base	-		0.13	*0.82*	0.75	**1.57**	-	0.03	-	-	<0.01	<0.05	0.01	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	19 Jan 2017	MW106D_190117	Normal	ACTNSW_Hist_202012-3	On-base	-		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	20 Jan 2017	MW106D_GW_170120	Normal	NSW_0908_PFAS	On-base	-		0.16	*0.7*	1.8	**2.5**	3.19	0.05	0.05	0.3	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	09 May 2017	MW106D_090517	Normal	ACTNSW_Hist_202012-3	On-base	-		0.22	*0.65*	1.1	**1.75**	-	0.04	0.04	0.37	<0.01	<0.05	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05
MW106D	03 Apr 2018	MW106D_GW_03042018	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.1*	0.41	**0.51**	0.58	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	21 Nov 2018	0908_MW106D_181121	Normal	NSW_0908_PFAS	On-base	-		0.05	*1.3*	0.74	**2.04**	2.54	0.05	0.04	0.26	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	28 May 2019	0908_MW106D_190528	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.24*	0.34	**0.58**	0.63	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	04 Nov 2019	0908_MW106D_191104	Normal	NSW_0908_PFASOMP	On-base	-		0.08	*2.22*	1.35	**3.57**	4.28	0.04	0.03	0.45	<0.02	<0.1	<0.02	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	19 May 2020	0908_MW106D_200519	Normal	NSW_0908_PFASOMP	On-base	-		0.02	*0.49*	0.31	**0.8**	0.93	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	17 Nov 2020	0908_MW106_D_201117	Normal	NSW_0908_PFASOMP	On-base	-		0.05	*1.93*	0.42	**2.35**	2.80	<0.02	<0.02	0.36	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	14 May 2021	0908_MW106D_210514	Normal	NSW_0908_PFASOMP	On-base	-		0.03	*1.23*	0.77	**2**	2.60	0.11	0.08	0.09	<0.02	<0.1	0.04	0.23	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 Nov 2021	0908_MW106D_211108	Normal	NSW_0908_PFASOMP	On-base	-		0.02	*0.22*	0.3	**0.52**	0.60	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	24 May 2022	0908_MW106D_220524	Normal	NSW_0908_PFASOMP	On-base	-		0.14	*1.64*	2.57	**4.21**	5.62	0.23	0.24	0.20	<0.02	<0.1	0.07	0.46	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 Nov 2022	0908_MW106D_221108	Normal	NSW_0908_PFASOMP	On-base	-		0.03	*0.48*	0.78	**1.26**	1.52	0.05	0.05	0.03	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 May 2023	0908_MW106D_230508	Normal	NSW_0908_PFASOMP_23	On-base	-		0.08	*1.21*	1.52	**2.73**	3.54	0.14	0.12	0.10	<0.02	<0.1	0.06	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	23 Nov 2023	0908_MW106D_231123	Normal	NSW_0908_PFASOMP_23	On-base	-		0.03	*0.39*	0.62	**1.01**	1.23	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	19 Apr 2024	0908_MW106D_240419	Normal	NSW_0908_PFASOMP_24	On-base	-		0.06	*0.84*	1.51	**2.35**	2.95	0.08	0.11	0.07	<0.02	<0.1	0.03	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	24 Sep 2024	0908_MW106D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-		<0.01	*0.18*	0.09	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	10 Nov 2014	MW106S_10112014	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.08*	0.27	**0.35**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106S	19 Jan 2016	MW106S_19012016	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.06*	0.27	**0.33**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW106S	25 Aug 2016	MW106S_250816	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.04*	0.08	**0.12**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106S	17 Oct 2016	MW106S_171016	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.08*	0.17	**0.25**	-	0.01	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	MW106S_1901117	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.04*	0.13	**0.17**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	MW106S_190117	Normal	ACTNSW_Hist_202012-3	On-base	-		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	QC115_190117	Field_D	ACTNSW_Hist_202012-3	On-base	-		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	20 Jan 2017	MW106S_GW_170120	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.04*	0.67	**0.71**	0.71	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	09 May 2017	MW106S_090517	Normal	ACTNSW_Hist_202012-3	On-base	-		0.02	*0.07*	0.3	**0.37**	-	0.01	0.02	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05
MW106S	03 Apr 2018	MW106S_GW_03042018	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.04*	0.2	**0.24**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	21 Nov 2018	0908_MW106S_181121	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.04*	0.14	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	28 May 2019	0908_MW106S_190528	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.08*	0.06	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	04 Nov 2019	0908_MW106S_191104	Normal	NSW_0908_PFASOMP	On-base	-		<0.01	*0.04*	0.08	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	12 May 2020	0908_MW106S_200512	Normal	NSW_0908_PFASOMP	On-base	-		<0.01	*0.04*	0.08	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	17 Nov 2020	0908_MW106_S_201117	Normal	NSW_0908_PFASOMP	On-base	-		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	14 May 2021	0908_MW106S_210514	Normal	NSW_0908_PFASOMP	On-base	-		<0.01	*0.03*	0.16	**0.19**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 Nov 2021	0908_MW106S_211108	Normal	NSW_0908_PFASOMP	On-base	-		<0.01	*0.04*	0.15	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	24 May 2022	0908_MW106S_220524	Normal	NSW_0908_PFASOMP	On-base	-		<0.01	*0.04*	0.17	**0.21**	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 Nov 2022	0908_MW106S_221108	Normal	NSW_0908_PFASOMP	On-base	-		0.01	*0.03*	0.25	**0.28**	0.35	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 May 2023	0908_MW106S_230508	Normal	NSW_0908_PFASOMP_23	On-base	-		0.02	*0.08*	0.23	**0.31**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	23 Nov 2023	0908_MW106S_231123	Normal	NSW_0908_PFASOMP_23	On-base	-		0.01	*0.08*	0.11	**0.19**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW106S	19 Apr 2024	0908_MW106S_240419	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	*0.18*	0.1	**0.28**	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	24 Sep 2024	0908_MW106S_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.14*	0.05	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	13 Apr 2015	MW107-D_20150413	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW107D	10 Mar 2016	MW107D_10032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW107D	01 Feb 2017	MW107D_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	01 Feb 2017	QC820_GW_01022017	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.02	<0.01	<0.02	<0.02	-	<0.01	-	-	<0.02	<0.05	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
MW107D	01 May 2018	MW107D_GW_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	07 Aug 2018	0908_MW107D_180807	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	07 Sep 2018	0908_MW107D_180907	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	05 Oct 2018	0908_MW107D_181005	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	27 Nov 2018	0908_MW107D_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_MW107D_190123	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_QC101_190123	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_QC201_190123	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW107D	29 Mar 2019	0908_MW107D_190329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	31 May 2019	0908_MW107D_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	18 Jun 2019	0908_MW107D_190618	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	25 Sep 2019	0908_MW107D_190925	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	<0.0003	<0.0005	<0.0003	0.0280	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.028	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	19 Nov 2019	0908_MW107D_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	19 Nov 2019	0908_QC107_191119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	19 Nov 2019	0908_QC207_191119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW107D	02 Dec 2019	0908_MW107D_191202	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005	*0.0042*	<0.0005	0.0042	0.0562	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.052	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	12 Mar 2020	0908_MW107D_200312	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0053*	<0.0005	0.0053	0.0132	<0.0005	<0.0005	<0.0005	<0.0005	0.006	<0.0005	0.0019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	19 May 2020	0908_MW107D_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jun 2020	0908_MW107D_200623	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	*0.002*	<0.002	0.002	0.031	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.029	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	<0.002	<0.002	0.013	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.013	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	19 Nov 2020	0908_MW107_D_201119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	11 Jan 2021	0908_MW107_D_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0012*	<0.0005	0.0012	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	20 Sep 2021	0908_MW107D_210920	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	17 Nov 2021	0908_MW107D_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	17 Nov 2021	0908_QC111_211117	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	13 Jan 2022	0908_MW107D_220113	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	<0.0003	<0.0005	<0.0003	0.0036	0.0012	0.0006	<0.0005	<0.0005	<0.002	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	11 Nov 2022	0908_MW107D_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	12 May 2023	0908_MW107D_230512	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Nov 2023	0908_MW107D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Apr 2024	0908_MW107D_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Sep 2024	0908_MW107D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	13 Apr 2015	MW107-S_20150413	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW107S	10 Mar 2016	MW107S_10032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW107S	10 Mar 2016	QC150_10032016	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW107S	01 Feb 2017	MW107S_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	01 Feb 2017	QC721_GW_01022017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	01 May 2018	MW107S_GW_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	07 Aug 2018	0908_MW107S_180807	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	07 Sep 2018	0908_MW107S_180907	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	05 Oct 2018	0908_MW107S_181005	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	27 Nov 2018	0908_MW107S_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Jan 2019	0908_MW107S_190123	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_MW107S_190329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_QC100_190329	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_QC200_190329	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW107S	22 May 2019	0908_QC200_190522	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	0.12	*8.8*	1.4	**10.2**	-	0.078	0.094	0.090	<0.01	0.089	0.13	0.47	0.049	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.026	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW107S	31 May 2019	0908_MW107S_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	18 Jun 2019	0908_MW107S_190618	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	18 Jun 2019	0908_QC100_190618	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	25 Sep 2019	0908_MW107S_190925	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	<0.0003	<0.0005	<0.0003	0.0022	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	0.0005	0.0010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	19 Nov 2019	0908_MW107S_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	02 Dec 2019	0908_MW107S_191202	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005	*0.001*	<0.0005	0.001	0.0021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	12 Mar 2020	0908_MW107S_200312	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0029*	<0.0005	0.0029	0.0046	0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	19 May 2020	0908_MW107S_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Jun 2020	0908_MW107S_200623	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW107S	19 Nov 2020	0908_MW107_S_201119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	11 Jan 2021	0908_MW107_S_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0004*	<0.0005	0.0004	0.0004	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Jan 2021	0908_QC100_210111	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0003*	<0.0005	0.0003	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Jan 2021	0908_QC200_210111	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.001	<0.002	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW107S	20 Sep 2021	0908_MW107S_210920	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	0.002	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	17 Nov 2021	0908_MW107S_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	13 Jan 2022	0908_MW107S_220113	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0008*	0.0016	0.0024	0.0178	0.0011	0.0005	<0.0005	<0.0005	0.008	0.0028	0.0030	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Nov 2022	0908_MW107S_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	12 May 2023	0908_MW107S_230512	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Nov 2023	0908_MW107S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Apr 2024	0908_MW107S_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Sep 2024	0908_MW107S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Nov 2014	MW108-D_17112014	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.11	**0.11**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108D	21 Jan 2016	MW108D_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
MW108D	29 Aug 2016	MW108D_290816	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.01*	0.03	0.04	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108D	04 Apr 2018	MW108D_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.41**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.37	**0.37**	0.46	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_MW108D_190531	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.38	**0.38**	0.54	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	31 May 2019	0908_MW108D_190531	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.39**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_QC105_190531	Field_D	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.37	**0.37**	0.51	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	31 May 2019	0908_QC105_190531	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**0.38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_QC205_190531	Interlab_D	NSW_0908_PFAS	On-base	-	<0.01	<0.02	0.36	**0.38**	-	0.046	0.041	<0.01	<0.01	<0.05	<0.02	0.059	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108D	08 Nov 2019	0908_MW108D_191108	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.46	**0.46**	0.76	0.08	0.08	<0.02	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	11 May 2020	0908_MW108D_200511	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.44	**0.44**	0.80	0.10	0.11	<0.02	<0.02	<0.1	0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Nov 2020	0908_MW108_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.23	**0.23**	0.35	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 May 2021	0908_MW108D_210517	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.55	**0.55**	0.86	0.07	0.10	<0.02	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 Nov 2021	0908_MW108D_211110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	1.41	**1.41**	2.25	0.21	0.20	<0.02	<0.02	<0.1	0.05	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	19 May 2022	0908_MW108D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.21	**0.21**	0.26	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 Nov 2022	0908_MW108D_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.36	**0.36**	0.47	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 May 2023	0908_MW108D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02	<0.01	1.56	**1.56**	2.15	0.12	0.19	<0.02	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 May 2023	0908_QC219_230510	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	1.6	**1.6**	2.1	0.11	0.18	<0.01	<0.02	<0.02	0.03	0.16	0.03	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW108D	22 Nov 2023	0908_MW108D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.44	**0.44**	0.59	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Apr 2024	0908_MW108D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.03	<0.01	1.48	**1.48**	2.03	0.10	0.17	<0.02	<0.02	<0.1	0.03	0.15	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	24 Sep 2024	0908_MW108D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	*0.02*	1.40	**1.42**	1.77	0.06	0.10	<0.02	<0.02	<0.1	0.02	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Nov 2014	MW108-S_17112014	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	0.21	**0.23**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108S	21 Jan 2016	MW108S_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
MW108S	29 Aug 2016	MW108S_290816	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.13*	1.9	**2.03**	-	0.07	-	-	<0.01	<0.05	0.04	0.46	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108S	17 Oct 2016	MW108S_171016	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.2*	2.4	**2.6**	-	0.07	-	-	<0.01	<0.05	0.02	0.12	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108S	13 Jan 2017	MW108S_130117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02	*0.38*	0.78	**1.16**	-	0.03	-	-	<0.01	<0.05	0.01	0.18	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108S	24 Jan 2017	MW108S_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.46*	0.99	**1.45**	1.75	0.03	0.11	<0.02	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	02 May 2017	MW108S_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02	*0.11*	0.82	**0.93**	-	0.02	0.03	<0.01	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW108S	04 Apr 2018	MW108S_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	0.25	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	09 Aug 2018	0908_MW108S_180809	Normal	NSW_0908_PFASMGMT	On-base	-	0.32	*0.06*	2.97	**3.03**	4.05	0.07	0.16	<0.02	<0.02	<0.1	0.05	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Sep 2018	0908_MW108S_180905	Normal	NSW_0908_PFASMGMT	On-base	-	0.35	*0.09*	3.22	**3.31**	4.35	0.07	0.15	<0.02	<0.02	<0.1	0.03	0.39	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_MW108S_181003	Normal	NSW_0908_PFASMGMT	On-base	-	**0.57**	*0.1*	5.8	**5.9**	8.48	0.17	0.25	0.27	<0.02	<0.1	0.15	1.06	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_QC106_181003	Field_D	NSW_0908_PFASMGMT	On-base	-	**0.58**	*0.11*	5.84	**5.95**	8.49	0.16	0.24	0.28	<0.02	<0.1	0.16	1.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_QC206_181003	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.48	<0.02	4	**4**	-	0.13	0.2	0.063	<0.01	0.061	0.12	0.7	0.081	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108S	29 Nov 2018	0908_MW108S_181129	Normal	NSW_0908_PFAS	On-base	-	0.55	*0.07*	4.46	**4.53**	6.52	0.13	0.2	0.27	<0.02	<0.1	0.1	0.67	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jan 2019	0908_MW108S_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.40	*0.08*	3.9	**3.98**	5.19	0.08	0.15	0.17	<0.02	<0.1	0.03	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	01 Apr 2019	0908_MW108S_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.22	*0.16*	2.49	**2.65**	3.33	0.09	0.08	0.10	<0.02	<0.1	0.02	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	31 May 2019	0908_MW108S_190531	Normal	NSW_0908_PFAS	On-base	-	0.07	*0.12*	0.23	**0.35**	0.54	0.06	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	20 Jun 2019	0908_MW108S_190620	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*0.09*	0.23	**0.32**	0.62	0.09	0.06	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	24 Sep 2019	0908_MW108S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.02	*0.06*	2.09	**2.15**	2.65	0.11	0.14	<0.02	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	08 Nov 2019	0908_MW108S_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.03	*0.12*	3.13	**3.25**	3.65	0.09	0.10	<0.02	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	28 Nov 2019	0908_MW108S_191128	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.12*	2.63	**2.75**	2.92	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	16 Mar 2020	0908_MW108S_200316	Normal	NSW_0908_PFASMGMT	On-base	-	0.01	*0.2*	0.25	**0.45**	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	11 May 2020	0908_MW108S_200511	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.27*	0.2	**0.47**	0.47	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW108S	22 Jun 2020	0908_MW108S_200622	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.04	0.29	0.33	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jun 2020	0908_QC100_200622	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01	0.04	0.29	0.33	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jun 2020	0908_QC200_200622	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01	0.04	0.26	0.3	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108S	30 Sep 2020	0908_MW108S_200930	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.06	0.15	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Nov 2020	0908_MW108_S_201117	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	0.03	0.31	0.34	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_MW108_S_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	0.09	0.82	0.91	1.00	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_QC101_210113	Field_D	NSW_0908_PFASMGMT	On-base	-	0.03	0.08	0.77	0.85	0.93	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_QC201_210113	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01	0.034	0.61	0.644	-	<0.01	<0.01	0.017	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108S	17 May 2021	0908_MW108S_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.06	0.12	0.72	0.84	1.19	0.03	0.05	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	23 Jun 2021	0908_MW108S_210623	Normal	NSW_0908_PFASMGMT	On-base	-	0.08	0.13	0.88	1.01	1.41	0.03	0.04	0.18	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Nov 2021	0908_MW108S_211105	Normal	NSW_0908_PFASMGMT	On-base	-	0.02	0.1	0.91	1.01	1.21	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Nov 2021	0908_QC101_211105	Field_D	NSW_0908_PFASMGMT	On-base	-	0.02	0.1	0.9	1	1.19	0.03	0.04	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2021	0908_MW108S_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.02	0.09	0.7	0.79	0.95	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2021	0908_QC203_211110	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	0.08	0.75	0.82	0.98	0.02	0.03	0.04	<0.02	<0.02	<0.02	0.05	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW108S	12 Jan 2022	0908_MW108S_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.05	0.08	1.07	1.15	1.31	<0.02	0.03	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	14 Mar 2022	0908_MW108S_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	0.1	0.62	0.72	0.80	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	19 May 2022	0908_MW108S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.03	0.83	0.62	1.45	1.59	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	20 Jun 2022	0908_MW108S_220620	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	0.92	0.6	1.52	1.75	<0.02	<0.02	0.17	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	12 Sep 2022	0908_MW108S_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	2.02	0.61	2.63	2.88	<0.02	0.03	0.14	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2022	0908_MW108S_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.04	1.66	0.55	2.21	2.48	0.02	0.04	0.13	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 May 2023	0908_MW108S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.42	4.03	2.86	6.89	8.70	0.05	0.11	0.88	<0.02	<0.1	0.04	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Nov 2023	0908_MW108S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.23	4.68	1.46	6.14	7.39	0.03	0.05	0.78	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Apr 2024	0908_MW108S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	2.06	0.14	2.2	2.24	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	24 Sep 2024	0908_MW108S_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	2.69	0.26	2.95	3.17	<0.02	<0.02	0.05	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	17 Nov 2014	MW109-D_17112014	Normal	NSW_0908_PFAS	On-base	-	0.83	44	7.5	51.5	-	0.95	-	-	0.11	-	0.28	2.2	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW109D	02 Feb 2016	MW109D_02022016	Normal	NSW_0908_PFAS	On-base	-	0.67	24.5	-	24.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW109D	29 Aug 2016	MW109D_290816	Normal	NSW_0908_PFAS	On-base	-	0.42	34	3.9	37.9	-	0.32	-	-	0.02	0.11	0.18	1.4	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW109D	19 Oct 2016	MW109D_191016	Normal	NSW_0908_PFAS	On-base	-	0.34	15	1.6	16.6	-	0.4	-	-	<0.01	0.12	0.16	1.1	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW109D	12 Jan 2017	MW109D_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.49	35	4	39	-	0.33	-	-	0.05	0.12	0.17	1.3	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.02	-	<0.05	-	<0.05	-	-	<0.05	-
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	0.89	49.4	7.29	56.69	61.9	0.48	0.6	0.78	0.09	<0.1	0.32	1.74	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	56.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW109D	02 May 2017	MW109D_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.37	22	3.1	25.1	-	0.19	0.27	0.36	0.09	0.1	0.19	0.93	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.18	0.02	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW109D	20 Apr 2018	MW109D_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.01	0.94	0.59	1.53	1.92	0.02	0.04	<0.02	<0.02	<0.1	0.04	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	14 Sep 2018	0908_MW109D_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.02	3.25	0.16	3.41	3.48	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	13 Dec 2018	0908_MW109D_181213	Normal	NSW_0908_PFAS	On-base	-	0.07	6.22	0.78	7	7.52	0.04	0.06	0.08	<0.02	<0.1	0.05	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	13 Dec 2018	0908_QC112_181213	Field_D	NSW_0908_PFAS	On-base	-	0.07	6.35	0.8	7.15	7.67	0.04	0.06	0.07	<0.02	<0.1	0.05	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	31 May 2019	0908_MW109D_190531	Normal	NSW_0908_PFAS	On-base	-	0.02	3.98	0.17	4.15	4.25	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	08 Nov 2019	0908_MW109D_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.20	14	1.94	15.9	17.5	0.11	0.14	0.16	0.03	<0.1	0.17	0.64	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_MW109_D_201123	Normal	NSW_0908_PFASOMP	On-base	-	0.14	2.98	2.85	5.83	6.92	0.16	0.19	0.11	<0.02	<0.1	0.08	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_QC106_201123	Field_D	NSW_0908_PFASOMP	On-base	-	0.15	3.11	3.01	6.12	7.24	0.17	0.20	0.11	<0.02	<0.1	0.08	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_QC206_201123	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.11	2.6	2.5	5.1	-	0.14	0.17	0.068	<0.01	0.063	0.075	0.28	0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW109D	17 May 2021	0908_MW109D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.50	14.9	5.58	20.5	24.8	0.51	0.68	0.40	0.08	0.2	0.40	1.27	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	16 Nov 2021	0908_MW109D_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.54	15.4	6.54	21.9	26.2	0.55	0.65	0.40	0.03	0.2	0.34	1.29	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	19 May 2022	0908_MW109D_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.60	30.9	6.48	37.4	40.9	0.22	0.34	0.72	0.07	0.1	0.26	0.92	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	10 Nov 2022	0908_MW109D_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.76	26.4	7.94	34.3	38.2	0.33	0.48	0.64	<0.02	0.2	0.27	0.92	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	26 May 2023	0908_MW109D_230526	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05	3.82	0.66	4.48	4.90	0.05	0.07	0.02	<0.02	<0.1	0.06	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	22 Nov 2023	0908_MW109D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.88	9.64	12.9	22.5	27.6	0.76	1.05	0.45	<0.02	0.1	0.26	1.19	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	18 Apr 2024	0908_MW109D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	1.16	0.11	1.27	1.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	24 Sep 2024	0908_MW109D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10	7.16	1.22	8.38	9.20	0.06	0.08	0.08	<0.02	<0.1	0.10	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	12 Nov 2014	MW118_12112014	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW118	29 Jan 2016	MW118_29012016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW118	11 Jan 2017	MW118_GW_11012017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Mar 2018	MW118_GW_28032018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	19 Nov 2018	0908_MW118_181119	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	24 May 2019	0908_MW118_190524	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_MW118_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_QC101_191105	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_QC201_191105	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.05	<0.01	<0.05
MW118	19 May 2020	0908_MW118_200519	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	23 Nov 2020	0908_MW118_201123	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_MW118_210513	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_QC101_210513	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_QC201_210513	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW118	09 Nov 2021	0908_MW118_211109	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW118	17 May 2022	0908_MW118_220517	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	17 May 2022	0908_QC100_220517	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	07 Nov 2022	0908_MW118_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_MW118_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_QC114_231128	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_QC214_231128	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW118	16 Apr 2024	0908_MW118_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	13 Nov 2014	MW121_13112014	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW121	25 Jan 2016	MW121_25012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW121	10 Jan 2017	MW121_GW_10012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	26 Mar 2018	QC201_GW_26032018	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW121	28 Mar 2018	MW121_GW_28032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	28 Mar 2018	QC101_GW_28032018	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	20 Nov 2018	0908_MW121_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	23 May 2019	0908_MW121_90523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	04 Nov 2019	0908_MW121_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	18 May 2020	0908_MW121_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	23 Nov 2020	0908_MW121_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.15*	0.17	**0.32**	0.39	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	13 May 2021	0908_MW121_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 Nov 2021	0908_MW121_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	18 May 2022	0908_MW121_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.16*	0.04	**0.2**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_MW121_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_QC110_221108	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_QC210_221108	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW121	09 May 2023	0908_MW121_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 May 2023	0908_QC106_230509	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 May 2023	0908_QC206_230509	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.01*	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW121	20 Nov 2023	0908_MW121_231120	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_MW121_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC101_240416	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC201_240416	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.04*	0.01	0.05	0.05	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW122	13 Nov 2014	MW122_13112014	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.03	0.03	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW122	15 Feb 2016	MW122_15022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.05	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	-	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	15 Feb 2016	QC135_WG_15022016	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.05	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	-	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	06 Apr 2018	MW122_GW_06042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2018	0908_MW122_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2018	0908_QC102_181121	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2018	0908__QC201_181121	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.02	0.019	0.039	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW122	23 May 2019	0908_MW122_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	23 May 2019	0908_MW122_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW122	05 Nov 2019	0908_MW122_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	20 May 2020	0908_MW122_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	24 Nov 2020	0908_MW122_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	18 May 2022	0908_MW122_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	10 Nov 2022	0908_MW122_221110	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	19 May 2023	0908_MW122_230519	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2023	0908_MW122_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	16 Apr 2024	0908_MW122_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	12 Nov 2014	MW123_12112014	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.48*	0.25	**0.73**	-	0.03	-	-	<0.01	-	<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW123	08 Oct 2015	MW123	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.02	*0.1*	-	**0.1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW123	29 Jan 2016	MW123_29012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	*0.76*	-	**0.76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW123	11 Jan 2017	MW123_GW_11012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	*1.12*	0.41	**1.53**	1.91	0.26	<0.02	0.04	<0.02	<0.1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	28 Mar 2018	MW123_GW_28032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	*0.8*	0.68	**1.48**	1.86	0.07	0.07	0.04	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	20 Nov 2018	0908_MW123_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	*0.67*	0.5	**1.17**	1.56	0.06	0.08	0.03	<0.02	<0.1	0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	23 May 2019	0908_MW123_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04	*0.87*	1.01	**1.88**	2.3	0.07	0.09	0.04	<0.02	<0.1	0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	05 Nov 2019	0908_MW123_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04	*0.89*	1.04	**1.93**	2.31	0.06	0.07	0.05	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	26 May 2021	0908_MW123_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.58*	0.54	**1.12**	1.34	0.04	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 Nov 2021	0908_MW123_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01	*0.34*	0.25	**0.59**	0.67	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 Nov 2021	0908_QC101_211109	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01	*0.37*	0.27	**0.64**	0.72	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	18 May 2022	0908_MW123_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.1*	0.08	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	08 Nov 2022	0908_MW123_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.4*	0.33	**0.73**	0.86	0.02	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 May 2023	0908_MW123_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02	*0.41*	0.39	**0.8**	0.97	0.03	0.04	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	21 Nov 2023	0908_MW123_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.01	*0.35*	0.21	**0.56**	0.61	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	16 Apr 2024	0908_MW123_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.09*	0.05	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW125D	07 Feb 2017	MW125D_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	26 Mar 2018	MW125D_GW_26032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	20 Nov 2018	0908_MW125D_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	01 Nov 2019	0908_MW125D_191101	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	13 May 2020	0908_MW125D_200513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	24 Nov 2020	0908_MW125_D_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	13 May 2021	0908_MW125D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 Nov 2021	0908_MW125D_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 Nov 2022	0908_MW125D_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 May 2023	0908_MW125D_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	21 Nov 2023	0908_MW125D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	16 Apr 2024	0908_MW125D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	23 Sep 2024	0908_MW125D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	26 Mar 2018	MW125S_GW_26032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	0.02	*0.02*	0.06	**0.08**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	20 Nov 2018	0908_MW125S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	22 May 2019	0908_MW125_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	22 May 2019	0908_MW125_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW125S	01 Nov 2019	0908_MW125S_191101	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 May 2020	0908_MW125S_200513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 Nov 2020	0908_MW125_S_201113	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 May 2021	0908_MW125S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 Nov 2021	0908_MW125S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 Nov 2022	0908_MW125S_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 May 2023	0908_MW125S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	21 Nov 2023	0908_MW125S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	16 Apr 2024	0908_MW125S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	23 Sep 2024	0908_MW125S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 Dec 2016	MW126D_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	07 Feb 2017	MW126D_GW_07022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	26 Mar 2018	MW126D_GW_26032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	20 Nov 2018	0908_MW126D_181120	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	21 May 2019	0908_MW126D_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	01 Nov 2019	0908_MW126D_191101	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	*0.47*	0.03	**0.5**	0.50	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	13 May 2020	0908_MW126D_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	24 Nov 2020	0908_MW126_D_201124	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	*0.04*	<0.02	0.04	0.11	0.07	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 May 2021	0908_MW126D_210519	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 May 2021	0908_QC204_210519	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126D	09 Nov 2021	0908_MW126D_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	31 May 2022	0908_MW126D_220531	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	09 Nov 2022	0908_MW126D_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	11 May 2023	0908_MW126D_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.01	<0.01	0.13	0.13	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	23 Nov 2023	0908_MW126D_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_MW126D_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC102_240416	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC202_240416	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126D	23 Sep 2024	0908_MW126D_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 Nov 2014	MW126_13112014	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.04	*0.07*	0.49	**0.56**	-	0.05	-	-	<0.01	-	<0.01	0.24	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW126S	03 Feb 2016	MW126_03022016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.16	*0.49*	-	**0.49**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW126S	19 Dec 2016	MW126S_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.33	*2.26*	6.11	**8.37**	11.6	0.36	0.42	0.51	<0.02	<0.1	0.2	1.19	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	MW126S_GW_26032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.09	*1.44*	1.59	**3.03**	4.19	0.2	0.16	0.18	<0.02	<0.1	0.09	0.37	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	QC100_GW_26032018	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.09	*1.42*	1.69	**3.11**	4.3	0.2	0.16	0.19	<0.02	<0.1	0.08	0.39	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	QC200_GW_26032018	Interlab_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.077	*0.65*	1.3	**1.95**	-	0.14	0.13	0.12	<0.01	0.067	0.053	0.3	0.043	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	26 Nov 2018	0908_MW126S_181126	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.13	*1.63*	2.64	**4.27**	5.82	0.28	0.28	0.21	<0.02	<0.1	0.1	0.48	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_MW126S_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.38	*3.6*	7.04	**10.6**	15.6	0.88	1.03	0.55	<0.02	<0.1	0.29	1.6	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_MW126S_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-	-	-	**10.64**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW126S	21 May 2019	0908_QC100_190521	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.38	*3.63*	7.29	**10.9**	15.9	0.88	1.06	0.55	<0.02	<0.1	0.27	1.6	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_QC100_190521	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-	-	-	**10.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW126S	21 May 2019	0908_QC200_190521	Interlab_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.32	*3.1*	8.2	**11.3**	-	0.77	0.72	0.34	<0.01	0.19	0.27	1.5	0.18	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	01 Nov 2019	0908_MW126S_191101	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.35	*3.86*	7.02	**10.9**	15.6	1.02	0.70	0.55	<0.02	0.2	0.25	1.44	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_MW126S_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.53	*8.44*	8.7	**17.1**	23.2	0.97	1.16	0.70	<0.02	<0.1	0.33	2.08	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_QC102_200513	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.56	*9.2*	8.52	**17.7**	24.0	0.93	1.34	0.79	<0.02	<0.1	0.31	1.97	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW126S	13 May 2020	0908_QC202_200513	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.32	*5.3*	6	**11.3**	-	0.75	0.76	0.35	<0.01	0.17	0.27	1.3	0.18	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	24 Nov 2020	0908_MW126_S_201124	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.54	*9.88*	6.73	**16.6**	22.8	0.89	1.12	0.87	<0.02	0.2	0.33	1.96	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	19 May 2021	0908_MW126S_210519	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.40	*10.2*	7.3	**17.5**	22.5	0.66	0.86	0.81	<0.02	0.1	0.24	1.72	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	09 Nov 2021	0908_MW126S_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.25	*6.08*	6.26	**12.3**	15.8	0.52	0.45	0.43	<0.02	<0.1	0.18	1.50	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	31 May 2022	0908_MW126S_220531	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.28	*6.02*	5.03	**11**	14.4	0.37	0.47	0.61	<0.02	0.1	0.14	1.25	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	09 Nov 2022	0908_MW126S_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.45	*7.02*	10.3	**17.3**	23.6	0.70	0.85	0.79	<0.02	0.2	0.38	2.61	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_MW126S_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	**0.68**	*7.94*	13.1	**21**	28.0	0.93	0.55	0.51	<0.02	0.2	0.47	3.25	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_QC112_230511	Field_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.54	*7.4*	13.3	**20.7**	28.1	0.98	0.93	1.07	<0.02	0.2	0.49	2.81	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_QC212_230511	Interlab_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.52	*7*	16	**23**	30	0.84	0.94	1.3	<0.02	0.25	0.41	2.9	0.35	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126S	23 Nov 2023	0908_MW126S_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.35	*4.25*	7.06	**11.3**	15.6	0.55	0.72	0.80	<0.02	0.1	0.23	1.31	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_MW126S_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.16	*2.57*	3.54	**6.11**	8.24	0.26	0.30	0.38	<0.02	<0.1	0.12	0.68	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC104_240416	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.13	*3.25*	3.38	**6.63**	8.68	0.25	0.27	0.43	<0.02	<0.1	0.08	0.66	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC204_240416	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.17	*2.8*	3.4	**6.2**	8.3	0.27	0.28	0.37	<0.02	0.07	0.1	0.74	0.09	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126S	23 Sep 2024	0908_MW126S_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.28	*4.74*	5.56	**10.3**	13.9	0.45	0.52	0.60	<0.02	0.1	0.18	1.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	27 Jan 2016	MW128D_27012016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW128D	11 Jan 2017	MW128D_GW_11012017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	10 Apr 2018	MW128D_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	26 Nov 2018	0908_MW128D_181126	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128D	27 May 2019	0908_MW128D_190527	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	01 Nov 2019	0908_MW128D_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	18 May 2020	0908_MW128D_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	25 Nov 2020	0908_MW128_D_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_MW128D_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_QC110_210520	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_QC210_210520	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW128D	11 Nov 2021	0908_MW128D_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	11 Nov 2021	0908_QC105_211111	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	16 May 2022	0908_MW128D_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	07 Nov 2022	0908_MW128D_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	09 May 2023	0908_MW128D_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	28 Nov 2023	0908_MW128D_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	16 Apr 2024	0908_MW128D_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	25 Sep 2024	0908_MW128D_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	13 Nov 2014	MW128_13112014	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	*0.05*	0.02	0.07	-	0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW128S	27 Jan 2016	MW128_27012016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW128S	11 Jan 2017	MW128S_GW_11012017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	10 Apr 2018	MW128S_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	27 May 2019	0908_MW128S_190527	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	01 Nov 2019	0908_MW128S_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	18 May 2020	0908_MW128S_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	25 Nov 2020	0908_MW128_S_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	20 May 2021	0908_MW128S_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	11 Nov 2021	0908_MW128S_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	16 May 2022	0908_MW128S_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	07 Nov 2022	0908_MW128S_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	09 May 2023	0908_MW128S_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	28 Nov 2023	0908_MW128S_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	16 Apr 2024	0908_MW128S_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	25 Sep 2024	0908_MW128S_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	14 Apr 2015	MW130-D_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	0.02	-	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.04	0.03	<0.01	<0.01	<0.05	0.06	-	<0.05	<0.05	-	-	<0.05	-	-
MW130D	31 Jan 2017	MW130D_GW_31022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Apr 2018	MW130D_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2018	0908_MW130D_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	30 May 2019	0908_MW130D_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	06 Nov 2019	0908_MW130D_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	14 May 2020	0908_MW130D_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	25 Nov 2020	0908_MW130_D_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	15 Nov 2021	0908_MW130D_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	01 Jun 2022	0908_MW130D_220601	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	08 Nov 2022	0908_MW130D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	11 May 2023	0908_MW130D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_MW130D_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_QC109_231127	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_QC209_231127	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5

Table T5 - Historical Groundwater Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**										**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**						
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW130D	24 Apr 2024	0908_MW130D_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	24 Apr 2024	0908_QC116_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	26 Sep 2024	0908_MW130D_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	14 Apr 2015	MW130-S_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW130S	31 Jan 2017	MW130S_GW_31012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	31 Jan 2017	QC719_GW_31012017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Apr 2018	MW130S_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	21 Nov 2018	0908_MW130S_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	30 May 2019	0908_MW130S_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	06 Nov 2019	0908_MW130S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	14 May 2020	0908_MW130S_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	25 Nov 2020	0908_MW130_S_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	15 Nov 2021	0908_MW130S_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	08 Nov 2022	0908_MW130S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	11 May 2023	0908_MW130S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_MW130S_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_QC107_231127	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_QC207_231127	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW130S	24 Apr 2024	0908_MW130S_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC114_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC214_240424	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW130S	26 Sep 2024	0908_MW130S_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	14 Apr 2015	MW132-D_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01	<0.01	0.07	0.07	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09	0.02	-	<0.05	<0.05	-	-	<0.05	-	-
MW132D	01 Feb 2017	MW132D_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.07*	0.37	**0.44**	0.56	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 Apr 2018	MW132D_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.08*	0.72	**0.8**	1.27	0.04	0.07	<0.02	<0.02	<0.1	0.03	0.29	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 Nov 2018	0908_MW132D_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.09*	1.1	**1.19**	1.53	0.08	0.05	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	22 May 2019	0908_MW132D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	*0.1*	1.11	**1.21**	1.67	0.09	0.08	0.03	<0.02	<0.1	0.02	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	06 Nov 2019	0908_MW132D_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.07	*0.08*	2.25	**2.33**	2.80	0.05	0.08	0.04	<0.02	<0.1	<0.02	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	14 May 2020	0908_MW132D_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.09	*0.1*	1.56	**1.66**	2.26	0.06	0.10	0.06	<0.02	<0.1	0.03	0.24	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	17 Nov 2020	0908_MW132_D_201117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.05	*0.1*	1.25	**1.35**	1.66	0.04	0.06	0.04	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 May 2021	0908_MW132D_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.07	*0.14*	1	**1.14**	1.50	0.09	0.04	0.08	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	15 Nov 2021	0908_MW132D_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.10	*0.31*	0.77	**1.08**	1.43	0.08	0.03	0.08	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	15 Nov 2021	0908_QC207_211115	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.08	*0.23*	0.79	**1**	1.3	0.01	0.03	0.10	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	30 May 2022	0908_MW132D_220530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06	*0.41*	0.7	**1.11**	1.41	0.02	0.04	0.10	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	30 May 2022	0908_QC218_220530	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06	*0.38*	0.61	**0.99**	1.3	0.02	0.02	0.10	<0.02	<0.02	<0.02	0.07	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	08 Nov 2022	0908_MW132D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04	*0.44*	0.7	**1.14**	1.39	<0.02	0.04	0.10	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	11 May 2023	0908_MW132D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.03	*0.89*	0.32	**1.21**	1.42	0.02	<0.02	0.10	<0.02	<0.1	0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_MW132D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02	*0.78*	0.23	**1.01**	1.13	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_QC103_231123	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02	*0.74*	0.2	**0.94**	1.07	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_QC203_231123	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02	*0.76*	0.24	**1**	1.1	<0.01	0.01	0.08	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	22 Apr 2024	0908_MW132D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.02	*0.94*	0.23	**1.17**	1.27	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	26 Sep 2024	0908_MW132D_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.01	*1.07*	0.26	**1.33**	1.42	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	14 Apr 2015	MW132-I_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01	<0.01	0.05	0.05	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW132I	14 Apr 2015	QC200-HW_20150414	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.02	*0.93*	0.28	**1.21**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	-	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW132I	18 Jan 2016	MW132I_18012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.78*	0.4	**1.18**	-	0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW132I	01 Feb 2017	MW132I_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.43*	0.09	**0.52**	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	22 May 2019	0908_MW132S_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.46*	0.25	**0.71**	0.77	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	06 Nov 2019	0908_MW132S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.84*	0.45	**1.29**	1.41	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	14 May 2020	0908_MW132S_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.46*	0.13	**0.59**	0.63	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	17 Nov 2020	0908_MW132_S_201117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.74*	0.1	**0.84**	0.86	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	27 May 2021	0908_MW132S_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.22*	0.09	**0.31**	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	15 Nov 2021	0908_MW132S_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.4*	0.18	**0.58**	0.60	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	30 May 2022	0908_MW132S_220530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.34*	0.14	**0.48**	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	30 May 2022	0908_QC118_220530	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.52*	0.2	**0.72**	0.72	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	08 Nov 2022	0908_MW132S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.24*	0.05	**0.29**	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	11 May 2023	0908_MW132S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.22*	0.05	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	23 Nov 2023	0908_MW132S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.18*	0.05	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	23 Nov 2023	0908_QC105_231123	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.18*	0.04	**0.22**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	23 Nov 2023	0908_QC205_231123	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.16*	0.06	**0.22**	0.22	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132I	22 Apr 2024	0908_MW132S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.18*	0.05	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	26 Sep 2024	0908_MW132I_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.22*	0.04	**0.26**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	13 Apr 2015	MW134-D_20150413	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.03	-	<0.05	<0.05	-	-	<0.05	-	-
MW134D	04 Feb 2016	MW134D_04022016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW134D	04 Feb 2016	QC127_WG_04022016	Field_D	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW134D	05 Sep 2016	MW134D_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.07*	<0.01	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134D	19 Oct 2016	MW134D_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.2*	0.05	**0.25**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	18 Jan 2017	MW134D_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.1*	0.02	**0.12**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	18 Jan 2017	QC108_180117	Field_D	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.08*	0.02	**0.1**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	25 Jan 2017	MW134D_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.17*	0.1	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	09 May 2017	MW134D_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.05*	0.02	0.07	-	<0.01	<0.01	0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.02	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.03	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW134D	19 Apr 2018	MW134D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.08*	0.06	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	30 Nov 2018	0908_MW134D_181130	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.04*	0.07	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	29 May 2019	0908_MW134D_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.06*	0.04	**0.1**	0.13	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	06 Nov 2019	0908_MW134D_191107	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	15 May 2020	0908_MW134D_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	07 Dec 2020	0908_MW134_D_201207	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	24 May 2021	0908_MW134D_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.04	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	18 Nov 2021	0908_MW134D_211118	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	30 May 2022	0908_MW134D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	14 Nov 2022	0908_MW134D_221114	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.02*	0.04	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_MW134D_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_QC114_230512	Field_D	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_QC214_230512	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.01*	0.02	0.03	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW134D	22 Nov 2023	0908_MW134D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	17 Apr 2024	0908_MW134D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	13 Apr 2015	MW134-I_20150413	Normal	NSW_0908_PFAS	On-base	-	0.01	<0.01	0.04	0.04	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.05	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134I	04 Feb 2016	MW134I_04022016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW134I	05 Sep 2016	MW134I_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.21*	0.03	**0.24**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134I	19 Oct 2016	MW134L_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.13*	0.03	**0.16**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134I	25 Jan 2017	MW134I_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.07*	0.03	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	09 May 2017	MW134I_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.06*	0.02	**0.08**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.09**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW134I	30 Nov 2018	0908_MW134I_181130	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.03*	0.05	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	29 May 2019	0908_MW134I_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	06 Nov 2019	0908_MW134I_191107	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	15 May 2020	0908_MW134I_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	07 Dec 2020	0908_MW134_I_201207	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	24 May 2021	0908_MW134I_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	18 Nov 2021	0908_MW134I_211118	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	18 Nov 2021	0908_QC209_211118	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	*0.01*	0.03	0.05	0.05	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW134I	30 May 2022	0908_MW134I_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	14 Nov 2022	0908_MW134I_221114	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	12 May 2023	0908_MW134I_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	22 Nov 2023	0908_MW134I_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	17 Apr 2024	0908_MW134I_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.03	*1.42*	0.38	**1.8**	2.00	0.02	0.04	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	26 Feb 2016	MW139_26022016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	23 Jan 2017	MW139_GW_170123	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	09 Apr 2018	MW139_GW_09042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_MW139_181128	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_QC106_181128	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_QC203_181128	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW139	04 Jun 2019	0908_MW139_190604	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	08 Nov 2019	0908_MW139_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	26 May 2020	0908_MW139_200526	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	12 May 2021	0908_MW139_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	31 May 2022	0908_MW139_220531	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	14 Nov 2022	0908_MW139_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	15 May 2023	0908_MW139_230515	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	27 Nov 2023	0908_MW139_231127	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	23 Apr 2024	0908_MW139_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	19 Sep 2024	0908_MW139_240919	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	07 Feb 2017	MW146D_A_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	20 Nov 2018	0908_MW146D_A_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	21 May 2019	0908_MW146D_A_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	06 Nov 2019	0908_MW146D_A_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	26 Nov 2020	0908_MW146A_D_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	13 May 2021	0908_MW146AD_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**												
PFAS NEMP 2020 Recreational Water							**10**			**2**												
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*														
MW146AD	13 May 2021	0908_QC102_210513	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146AD	09 Nov 2021	0908_MW146AD_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146AD	31 May 2022	0908_MW146AD_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.27*	0.01	**0.28**	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146AD	09 Nov 2022	0908_MW146AD_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.1*	<0.01	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146AD	09 May 2023	0908_MW146AD_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146AD	23 Nov 2023	0908_MW146AD_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146AD	16 Apr 2024	0908_MW146AD_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	0.04	*1.87*	0.6	**2.47**	2.73	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02
MW146AD	23 Sep 2024	0908_MW146AD_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	03 Feb 2016	MW146S_03022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-
MW146S	20 Dec 2016	MW146S_GW_20122016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	26 Mar 2018	MW146S_GW_26032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	20 Nov 2018	0908_MW146S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	21 May 2019	0908_MW146S_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	06 Nov 2019	0908_MW146S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	20 May 2020	0908_MW146S_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	26 Nov 2020	0908_MW146_S_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	09 Nov 2021	0908_MW146S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	09 Nov 2022	0908_MW146S_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	09 May 2023	0908_MW146S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	24 Nov 2023	0908_MW146S_231124	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	16 Apr 2024	0908_MW146S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW146S	23 Sep 2024	0908_MW146S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW147D	04 Mar 2016	MW147D_04032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW147D	02 Feb 2017	MW147D_GW_02022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW147D	17 Apr 2018	MW147D_GW_17042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW147D	04 Jun 2019	0908_MW147D_190604	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW147D	28 May 2020	0908_MW147D_200528	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW147D	27 May 2021	0908_MW147D_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW147D	17 May 2022	0908_MW147D_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW147D	15 May 2023	0908_MW147D_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW147D	22 Apr 2024	0908_MW147D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW147S	04 Mar 2016	MW147S_04032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW147S	02 Feb 2017	MW147S_GW_02022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW147S	09 Apr 2018	MW147S_GW_09042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	*0.07*	0.18	**0.25**	0.33	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	0.08	<0.05	<0.05	<0.05	<0.05
MW147S	04 Jun 2019	0908_MW147S_190604	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW147S	28 May 2020	0908_MW147S_200528	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.03*	0.06	**0.09**	0.18	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02
MW147S	27 May 2021	0908_MW147S_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	0.07	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02
MW147S	17 May 2022	0908_MW147S_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.01	*0.03*	0.13	**0.16**	0.25	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02
MW147S	15 May 2023	0908_MW147S_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	*0.03*	0.08	**0.11**	0.18	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02
MW147S	22 Apr 2024	0908_MW147S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	*0.05*	0.12	**0.17**	0.25	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02
MW150D	07 Feb 2017	MW150D_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04	*0.15*	1.24	**1.39**	2.37	0.11	0.13	0.04	<0.02	0.4	0.06	0.18	0.02	<0.02	<0.02	<0.02
MW150D	10 May 2023	0908_MW150D_230510	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.06	*0.25*	1.81	**2.06**	2.96	0.18	0.22	0.06	<0.02	<0.1	0.06	0.28	0.04	<0.02	<0.02	<0.02
MW150D	16 Apr 2024	0908_MW150D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW150S	01 Feb 2016	MW150_01022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-
MW150S	07 Feb 2017	MW150S_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.2*	0.05	**0.25**	0.35	<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW150S	10 May 2023	0908_MW150S_230510	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.03*	0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW150S	16 Apr 2024	0908_MW150S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW155	21 Jan 2016	MW155_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.31*	-	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-
MW155	07 Sep 2016	MW155_070916	Normal	NSW_0908_PFAS	On-base	-	0.02	*1.1*	0.3	**1.4**	-	<0.01	-	-	<0.01	<0.05	0.03	0.06	<0.01	<0.01	<0.01	<0.01
MW155	19 Oct 2016	MW155_191016	Normal	NSW_0908_PFAS	On-base	-	0.01	*1.2*	0.21	**1.41**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01
MW155	12 Jan 2017	MW155_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02	*1.5*	0.22	**1.72**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01
MW155	13 Jan 2017	MW155_D_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.01	*1.1*	0.19	**1.29**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01
MW155	01 Feb 2017	MW155_GW_010217	Normal	NSW_0908_PFAS	On-base	-	0.09	*0.67*	0.07	**0.74**	1.24	<0.05	<0.05	<0.05	<0.05	<0.1	0.15	0.1	0.09	0.07	<0.05	<0.05
MW155	20 Apr 2018	MW155_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.69*	0.39	**1.08**	1.2	<0.02	0.03	<0.02	<0.02	<0.1	0.04	0.05	<0.02	<0.02	<0.02	<0.02
MW155	21 Nov 2018	0908_MW155_181121	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.64*	0.35	**0.99**	1.1	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.06	<0.02	<0.02	<0.02	<0.02
MW155	28 May 2019	0908_MW155_190528	Normal	NSW_0908_PFAS	On-base	-	<0.01	*1.26*	0.25	**1.51**	1.61	<0.02	<0.02	<0.02	<0.02	<0.1	0.06	0.04	<0.02	<0.02	<0.02	<0.02
MW155	12 May 2020	0908_MW155_200512	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.87*	0.37	**1.24**	1.51	<0.02	0.02	<0.02	<0.02	0.1	0.09	0.06	<0.02	<0.02	<0.02	<0.02
MW155	24 May 2021	0908_MW155_210524	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*0.61*	0.47	**1.08**	1.81	<0.02	<0.02	0.02	<0.02	0.3	0.20	0.19	<0.02	<0.02	<0.02	<0.02
MW155	08 May 2023	0908_MW155_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.08	*1.23*	0.2	**1.43**	2.11	<0.02	<0.02	<0.02	<0.02	0.2	0.20	0.12	0.08	<0.02	<0.02	<0.02
MW155	31 Jul 2024	0908_MW155_240731	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	*0.55*	0.21	**0.76**	0.82	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.02	<0.02	<0.02	<0.02	<0.02
MW155	31 Jul 2024	0908_QC101_240731	Field_D	NSW_0908_PFASOMP_24	On-base	-	0.02	*0.56*	0.17	**0.73**	0.80	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02
MW155	31 Jul 2024	0908_QC201_240731	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	0.02	*0.45*	0.19	**0.65**	0.78	<0.01	0.01	0.01	<0.02	0.02	0.03	0.02	0.02	<0.01	<0.02	<0.02
MW159D	31 Jan 2017	MW159D_GW_31012017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
MW159D	27 Apr 2018	MW159D_GW_27042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

Field ID	PFAS - Perfluoroalkyl Carboxylic Acids			PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
0908_QC102_210513	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146AD_211109	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146AD_220531	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146AD_221109	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146AD_230509	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146AD_231123	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146AD_240416	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146AD_240923	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S_03022016	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW146S_GW_20122016	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S_GW_26032018	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_181120	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_190521	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_191106	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_200520	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146_S_201126	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_211109	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_221109	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_230509	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_231124	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_240416	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW146S_240923	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D_04032016	<0.05	<0.05	<0.12	<0.05	<0.5	-	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D_GW_02022017	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D_GW_17042018	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
0908_MW147D_190604	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
0908_MW147D_200528	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147D_210527	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147D_220517	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147D_230515	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147D_240422	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S_04032016	<0.05	<0.05	<0.12	<0.05	<0.5	-	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S_GW_02022017	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S_GW_09042018	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
0908_MW147S_190604	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
0908_MW147S_200528	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147S_210527	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147S_220517	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147S_230515	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW147S_240422	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D_GW_07022017	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW150D_230510	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW150D_240416	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150_01022016	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW150S_GW_07022017	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW150S_230510	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW150S_240416	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155_21012016	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW155_070916	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW155_191016	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155_120117	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155_D_120117	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155_GW_010217	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW155_GW_20042018	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW155_181121	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW155_190528	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW155_200512	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW155_210524	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW155_230508	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_MW155_240731	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_QC101_240731	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
0908_QC201_240731	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW159D_GW_31012017	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D_GW_27042018	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW159D	21 Nov 2018	0908_MW159D_181121	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	21 Nov 2018	0908_QC103_181121	Field_D	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	23 May 2019	0908_MW159D_190523	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	23 May 2019	0908_MW159D_190523	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	14 May 2020	0908_MW159D_200514	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	19 May 2021	0908_MW159D_210519	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	01 Jun 2022	0908_MW159D_220601	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	11 May 2023	0908_MW159D_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_MW159D_240731	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC100_240731	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC200_240731	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW159S	09 Feb 2016	MW159_09022016	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	*0.03*	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW159S	09 Feb 2016	QC131_WG_09022016	Field_D	NSW_0908_PFAS	Broader Management Zone	-	<0.01	*0.02*	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW159S	31 Jan 2017	MW159_GW_31012017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	27 Apr 2018	MW159S_GW_27042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	21 Nov 2018	0908_MW159S_181121	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	23 May 2019	0908_MW159S_190523	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	14 May 2020	0908_MW159S_200514	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	19 May 2021	0908_MW159S_210519	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	01 Jun 2022	0908_MW159S_220601	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	11 May 2023	0908_MW159S_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	31 Jul 2024	0908_MW159S_240731	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	07 Mar 2016	MW160_07032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW160	30 Jan 2017	MW160_GW_30012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	27 Apr 2018	MW160_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	21 Nov 2018	0908_MW160_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	06 Nov 2019	0908_MW160_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02	*3.11*	0.19	**3.3**	3.39	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	14 May 2020	0908_MW160_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	17 Nov 2020	0908_MW160_201117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	24 May 2021	0908_MW160_210524	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	15 Nov 2021	0908_MW160_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	15 Nov 2021	0908_QC206_211115	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW160	31 May 2022	0908_MW160_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	31 May 2022	0908_QC119_220531	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	0.04	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	08 Nov 2022	0908_MW160_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	11 May 2023	0908_MW160_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	23 Nov 2023	0908_MW160_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	22 Apr 2024	0908_MW160_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	0.03	*0.98*	0.14	**1.12**	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	26 Sep 2024	0908_MW160_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	26 Feb 2016	MW161D_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.04*	0.02	0.06	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW161D	26 Feb 2016	MW161D_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*0.13*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW161D	08 Feb 2017	MW161D_GW_08022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.14	*3.78*	1.8	**5.58**	6.65	0.13	0.17	0.16	<0.02	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	30 May 2019	0908_MW161D_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.08	*2.85*	1.03	**3.88**	4.55	0.09	0.1	0.1	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	21 May 2020	0908_MW161D_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06	*2.22*	1.01	**3.23**	3.85	0.10	0.09	0.06	<0.02	<0.1	0.06	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	26 May 2021	0908_MW161D_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.05	*1.6*	0.86	**2.46**	2.97	0.07	0.08	0.06	<0.02	<0.1	0.05	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	01 Jun 2022	0908_MW161D_220601	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06	*1.94*	0.85	**2.79**	3.30	0.06	0.09	0.08	<0.02	<0.1	0.04	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	11 May 2023	0908_MW161D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.05	*1.89*	0.74	**2.63**	3.11	0.06	0.08	0.06	<0.02	<0.1	0.05	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	22 Apr 2024	0908_MW161D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	26 Feb 2016	MW161S_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04	*2.26*	1.32	**3.58**	-	0.13	-	-	<0.02	-	-	0.23	0.04	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW161S	26 Feb 2016	MW161S_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.07	*2.98*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW161S	08 Feb 2017	MW161S_GW_08022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.08	*2.66*	1.4	**4.06**	4.75	0.09	0.11	0.06	<0.02	<0.1	0.06	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	30 May 2019	0908_MW161S_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	*1.91*	1.09	**3**	3.24	0.03	0.04	0.05	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	21 May 2020	0908_MW161S_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06	*2.39*	1.22	**3.61**	4.28	0.12	0.10	0.07	<0.02	<0.1	0.06	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	26 May 2021	0908_MW161S_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.05	*3.64*	0.96	**4.6**	5.14	0.06	0.08	0.08	<0.02	<0.1	0.05	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	01 Jun 2022	0908_MW161S_220601	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.07	*2.39*	0.84	**3.23**	3.74	0.05	0.07	0.09	<0.02	<0.1	0.04	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	11 May 2023	0908_MW161S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.04	*1.84*	0.72	**2.56**	2.91	0.03	0.04	0.04	<0.02	<0.1	0.04	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	22 Apr 2024	0908_MW161S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	29 Jan 2016	MW162D_29012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW162D	10 Jan 2017	MW162D_GW_10012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	27 Mar 2018	MW162D_GW_27032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	20 Nov 2018	0908_MW162D_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	22 May 2019	0908_MW162D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	04 Nov 2019	0908_MW162D_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2020	0908_MW162D_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW162D	23 Nov 2020	0908_MW162_D_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2021	0908_MW162D_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2021	0908_QC104_210518	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	12 Nov 2021	0908_MW162D_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2022	0908_MW162D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2022	0908_QC208_220518	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	07 Nov 2022	0908_MW162D_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	09 May 2023	0908_MW162D_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	09 May 2023	0908_QC215_230509	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	21 Nov 2023	0908_MW162D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	21 Nov 2023	0908_QC100_231121	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	21 Nov 2023	0908_QC200_231121	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	16 Apr 2024	0908_MW162D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	29 Jan 2016	MW162S_29012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW162S	10 Jan 2017	MW162S_GW_10012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	27 Mar 2018	MW162S_GW_27032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	21 Nov 2018	0908_MW162S_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	22 May 2019	0908_MW162S_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	04 Nov 2019	0908_MW162S_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2020	0908_MW162S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	23 Nov 2020	0908_MW162_S_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2021	0908_MW162S_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	12 Nov 2021	0908_MW162S_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2022	0908_MW162S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2022	0908_QC108_220518	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	07 Nov 2022	0908_MW162S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	09 May 2023	0908_MW162S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	09 May 2023	0908_QC115_230509	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	21 Nov 2023	0908_MW162S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	16 Apr 2024	0908_MW162S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	05 Feb 2016	MW163_05022016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW163	07 Feb 2017	MW163_GW_070217	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	10 Apr 2018	MW163_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	26 Nov 2018	0908_MW163_181126	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	27 May 2019	0908_MW163_190527	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	01 Nov 2019	0908_MW163_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	18 May 2020	0908_MW163_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	25 Nov 2020	0908_MW163_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	20 May 2021	0908_MW163_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	11 Nov 2021	0908_MW163_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	11 Nov 2021	0908_QC204_211111	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW163	19 May 2022	0908_MW163_220519	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	07 Nov 2022	0908_MW163_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	09 May 2023	0908_MW163_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	28 Nov 2023	0908_MW163_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	16 Apr 2024	0908_MW163_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 Jan 2016	MW166_13012016	Normal	NSW_0908_PFAS	On-base	-	0.07	*27.4*	-	**27.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW166	01 Sep 2016	MW166_010916	Normal	NSW_0908_PFAS	On-base	-	0.06	*28*	0.78	**28.78**	-	0.09	-	-	<0.01	<0.05	0.03	0.16	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW166	01 Sep 2016	QC106_010916	Field_D	NSW_0908_PFAS	On-base	-	0.03	*13*	0.35	**13.35**	-	0.04	-	-	<0.01	<0.05	0.02	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW166	12 Oct 2016	MW166_121016	Normal	NSW_0908_PFAS	On-base	-	0.04	*20*	0.68	**20.68**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.4	*120*	6.2	**126.2**	-	0.16	-	-	<0.04	0.06	0.1	0.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.2	<0.04	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_170117	Normal	NSW_0908_PFAS	On-base	-	0.4	*120*	6.2	**126.2**	-	0.16	-	-	<0.01	0.06	0.1	0.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.1	*21.3*	0.62	**21.9**	22.4	0.04	0.07	0.08	<0.02	<0.1	0.03	0.14	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	17 Jan 2017	MW166_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**21.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW166	03 May 2017	MW166_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.06	*12*	0.52	**12.52**	-	0.03	0.03	0.06	<0.01	<0.05	0.03	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW166	04 Apr 2018	MW166_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	0.05	*23.5*	0.68	**24.2**	24.5	0.04	0.04	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	04 Apr 2018	MW166_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**24.18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW166	29 Nov 2018	0908_MW166_181129	Normal	NSW_0908_PFAS	On-base	-	0.03	*17.8*	0.3	**18.1**	18.2	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	01 Apr 2019	0908_MW166_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*17.6*	0.26	**17.9**	18.0	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	20 Jun 2019	0908_MW166_190620	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*14.3*	0.28	**14.6**	14.7	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	24 Sep 2019	0908_MW166_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*18.2*	0.32	**18.5**	18.7	0.02	0.03	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	06 Nov 2019	0908_MW166_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.04	*14.6*	0.35	**15**	15.2	0.04	0.03	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	29 Nov 2019	0908_MW166_191129	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*14.6*	0.25	**14.8**	15.0	0.02	0.02	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 Mar 2020	0908_MW166_200313	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*14.8*	0.42	**15.2**	15.5	0.03	0.05	0.04	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW166	13 May 2020	0908_MW166_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.04	*17.6*	0.28	**17.9**	18.1	0.02	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	16 Nov 2020	0908_MW166_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.03	*15.2*	0.43	**15.6**	15.8	0.04	0.04	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 May 2021	0908_MW166_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.11	*12.1*	2.26	**14.4**	14.9	0.04	0.06	0.08	<0.02	<0.1	0.03	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 Nov 2021	0908_MW166_211118	Normal	NSW_0908_PFASMGMT	On-base	-	0.05	*13.7*	0.82	**14.5**	14.8	0.02	0.03	0.05	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 Nov 2021	0908_MW166_211118	Normal	NSW_0908_PFASOMP	On-base	-	0.05	*14*	0.89	**14.9**	15.2	0.02	0.04	0.06	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	25 May 2022	0908_MW166_220525	Normal	NSW_0908_PFASMGMT	On-base	-	0.11	*14.5*	1.33	**15.8**	16.6	0.03	0.04	0.07	<0.02	<0.1	0.07	0.39	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	25 May 2022	0908_MW166_220525	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*12.6*	1.02	**13.6**	14.0	0.02	0.04	0.07	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	09 Nov 2022	0908_MW166_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*6.74*	0.84	**7.58**	7.95	<0.02	0.02	0.08	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	10 May 2023	0908_MW166_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05	*18.6*	0.27	**18.9**	19.0	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	22 Nov 2023	0908_MW166_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02	*8.45*	0.11	**8.56**	8.65	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	17 Apr 2024	0908_MW166_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	*12*	0.21	**12.2**	12.3	<0.02	<0.02	0.03	0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	24 Sep 2024	0908_MW166_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	*12.2*	0.21	**12.4**	12.5	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 Jan 2016	MW167_13012016	Normal	NSW_0908_PFAS	On-base	-	**0.61**	*164*	10.3	**174.3**	-	0.77	-	-	<0.02	-	-	3.05	0.17	0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW167	01 Sep 2016	MW167_010916	Normal	NSW_0908_PFAS	On-base	-	**1.6**	*120*	24	**144**	-	<0.01	-	-	<0.01	<0.05	<0.01	5.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW167	01 Sep 2016	QC108_010916	Field_D	NSW_0908_PFAS	On-base	-	**1.9**	*150*	27	**177**	-	1.2	-	-	<0.01	<0.05	<0.01	6.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW167	12 Oct 2016	MW167_121016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*110*	19	**129**	-	<0.01	-	-	<0.01	<0.05	<0.01	3.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW167	17 Jan 2017	MW167_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	**3.4**	*240*	32	**272**	-	<3	-	-	<3	<15	<3	4.7	<3	<3	<3	<3	<3	<3	<3	<3	<15	6.1	-	<15	-	<15	-	-	<15	-
MW167	17 Jan 2017	MW167_170117	Normal	NSW_0908_PFAS	On-base	-	**3.4**	*240*	32	**272**	-	<0.01	-	-	<0.01	<0.05	<0.01	4.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	6.1	-	<0.05	-	<0.05	-	-	<0.05	-
MW167	17 Jan 2017	MW167_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	**4.31**	*276*	26.5	**302**	322	1.26	2.39	2.26	<0.02	<0.1	1.19	7.41	0.95	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	17 Jan 2017	MW167_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**302.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	18 Jan 2017	MW167_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	**5.58**	*440*	82.5	**522**	547	2.1	2.7	3.28	<0.02	<0.1	1.33	8.74	0.95	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Jan 2017	MW167_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**522.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	03 May 2017	MW167_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	**3.3**	*150*	26	**176**	-	2.1	2.5	2.6	1.7	1.5	1.7	5.6	2.1	1.7	1.6	1.8	1.6	1.5	2	1.4	1.7	1.5	1.2	<1.5	<1.5	<0.3	<1.5	<1.5	<1.5	<1.5
MW167	03 May 2017	QC102_030517	Field_D	ACTNSW_Hist_202012-3	On-base	-	**2.3**	*240*	31	**271**	-	1.1	1.7	1.4	<0.3	0.46	0.84	5.2	0.96	<0.3	<0.3	<0.3	<0.3	0.22	<0.3	<0.3	0.32	<0.3	<0.3	<1.5	<1.5	<0.3	<1.5	<1.5	<1.5	<1.5
MW167	23 Nov 2017	0908_MW167_231117	Normal	NSW_0908_PFAS	On-base	-	**5.24**	*426*	37.5	**464**	487	0.71	1.39	8.82	<0.02	0.2	0.63	5.25	0.70	0.13	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Nov 2017	0908_MW167_231117	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**463.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	23 Nov 2017	0908_QC100_231117	Field_D	NSW_0908_PFAS	On-base	-	**5.25**	*358*	37.9	**396**	418	0.68	1.48	7.86	<0.02	0.1	0.59	4.98	0.68	0.14	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Nov 2017	0908_QC100_231117	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**395.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	18 Apr 2018	MW167_GW_18042018	Normal	NSW_0908_PFAS	On-base	-	**3.02**	*465*	30.6	**496**	514	1.22	1.89	2.8	<0.1	<0.5	0.65	8.02	0.55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW167	18 Apr 2018	MW167_GW_18042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**495.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	08 Aug 2018	0908_MW167_180808	Normal	NSW_0908_PFASMGMT	On-base	-	**0.87**	*102*	6.67	**109**	113	0.22	0.33	1.16	<0.02	<0.1	0.22	1.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	04 Sep 2018	0908_MW167_180905	Normal	NSW_0908_PFASMGMT	On-base	-	**1.91**	*274*	16.4	**290**	300	0.55	1.00	1.35	<0.10	<0.5	0.34	4.40	0.45	<0.10	<0.10	<0.10	<0.10	<0.10	<0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.25	<0.10	<0.25	<0.25	<0.10	<0.25
MW167	02 Oct 2018	0908_MW167_181002	Normal	NSW_0908_PFASMGMT	On-base	-	**6.85**	*522*	25.4	**547**	576	1.39	2.28	8.07	<0.02	0.5	1.36	7.55	0.87	0.15	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_MW167_181129	Normal	NSW_0908_PFAS	On-base	-	**4.56**	*372*	26.4	**398**	415	0.63	0.86	6.06	<0.02	0.2	0.54	3.28	0.59	0.08	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_MW167_181129	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**398.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	29 Nov 2018	0908_QC107_181129	Field_D	NSW_0908_PFAS	On-base	-	**3.95**	*346*	25.8	**372**	387	0.59	0.82	5.28	<0.02	0.2	0.48	3.08	0.56	0.07	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_QC107_181129	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**371.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	22 Jan 2019	0908_MW167_190122	Normal	NSW_0908_PFASMGMT	On-base	-	**2.46**	*490*	16.4	**506**	517	0.71	0.94	2.30	<0.02	<0.1	0.40	3.24	0.50	0.09	0.03	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	02 Apr 2019	0908_MW167_190402	Normal	NSW_0908_PFASMGMT	On-base	-	**1.63**	*546*	17.2	**563**	576	0.85	0.72	4.23	<0.02	0.2	0.43	3.77	0.46	0.10	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	30 May 2019	0908_MW167_190530	Normal	NSW_0908_PFAS	On-base	-	**1.25**	*391*	11.3	**402**	407	0.31	0.46	0.77	0.04	<0.1	0.26	1.63	0.24	0.05	0.03	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	30 May 2019	0908_MW167_190530	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**402.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	19 Jun 2019	0908_MW167_190619	Normal	NSW_0908_PFASMGMT	On-base	-	**0.9**	*412*	9.44	**421**	425	0.22	0.48	0.6	<0.02	<0.1	0.17	1.08	0.18	<0.02	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	24 Sep 2019	0908_MW167_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.56	*219*	3.56	**222**	224	0.12	0.19	0.42	<0.02	<0.1	0.06	0.35	0.07	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	24 Sep 2019	0908_QC101_190924	Field_D	NSW_0908_PFASMGMT	On-base	-	**0.74**	*199*	4.36	**203**	206	0.15	0.21	0.48	<0.02	<0.1	0.06	0.44	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	06 Nov 2019	0908_MW167_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.54	*158*	2.18	**160**	162	0.09	0.13	0.26	<0.02	<0.1	0.05	0.28	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2019	0908_MW167_191129	Normal	NSW_0908_PFASMGMT	On-base	-	**0.57**	*200*	2.01	**202**	203	0.08	0.10	0.38	<0.02	<0.1	0.02	0.26	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	16 Mar 2020	0908_MW167_200316	Normal	NSW_0908_PFASMGMT	On-base	-	**0.66**	*196*	2.03	**198**	200	0.08	0.10	0.52	<0.05	<0.2	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW167	13 May 2020	0908_MW167_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.53	*161*	2.13	**163**	165	0.05	0.32	0.47	<0.02	<0.1	0.04	0.46	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 May 2020	0908_QC101_200513	Field_D	NSW_0908_PFASOMP	On-base	-	**0.57**	*172*	2.19	**174**	176	0.06	0.32	0.48	<0.02	<0.1	0.04	0.46	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 May 2020	0908_QC201_200513	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.39	*110*	1.5	**111.5**	-	0.045	0.082	0.30	<0.01	<0.05	0.039	0.34	0.030	0.015	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.05	<0.02	<0.01	<0.05	<0.02	<0.01
MW167	16 Nov 2020	0908_MW167_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.19	*72.1*	1.2	**73.3**	74.0	0.03	0.06	0.23	<0.02	<0.1	0.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 May 2021	0908_MW167_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.24	*63.8*	1.21	**65**	65.9	0.04	0.08	0.20	<0.02	<0.1	0.05	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Nov 2021	0908_MW167_211118	Normal	NSW_0908_PFASMGMT	On-base	-	0.08	*64.8*	0.58	**65.4**	65.7	<0.02	0.03	0.11	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Nov 2021	0908_MW167_211118	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*45*	0.5	**45.5**	45.8	<0.02	0.03	0.15	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	25 May 2022	0908_MW167_220525	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	*1.9*	0.27	**2.17**	2.27	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	25 May 2022	0908_MW167_220525	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*2.44*	0.31	**2.75**	2.83	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	21 Jun 2022	0908_MW167_220621	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*84.6*	0.11	**84.7**	84.8	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	09 Nov 2022	0908_MW167_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*22.8*	0.18	**23**	23.0	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	10 May 2023	0908_MW167_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02	*29.3*	0.41	**29.7**	29.8	0.02	0.05	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	22 Nov 2023	0908_MW167_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05	*45.8*	0.55	**46.4**	46.7	0.03	0.03	0.03	<0.02	<0.1	0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	17 Apr 2024	0908_MW167_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.05	*27.6*	0.5	**28.1**	28.4	<0.02	0.04	0.06	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	24 Sep 2024	0908_MW167_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10	*24.5*	0.91	**25.4**	25.8	<0.02	0.04	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 Jan 2016	MW168_13012016	Normal	NSW_0908_PFAS	On-base	-	0.18	*42.9*	-	**42.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW168	02 Sep 2016	MW168_020916	Normal	NSW_0908_PFAS	On-base	-	0.2	*48*	2.4	**50.4**	-	<0.01	-	-	<0.01	<0.05	0.04	0.35	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																													
MW168	02 Sep 2016	QC110_020916	Field_D	NSW_0908_PFAS	On-base	-	0.23	*61*	2.4	**63.4**	-	0.08	-	-	<0.01	<0.05	0.05	0.4	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW168	12 Oct 2016	MW168_121016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*31*	14	**45**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.05	*20*	0.52	**20.52**	-	0.03	-	-	<0.04	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	0.21	<0.04	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_170117	Normal	NSW_0908_PFAS	On-base	-	0.05	*20*	0.52	**20.52**	-	0.03	-	-	<0.01	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.21	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.56	*90.8*	3.63	**94.4**	97.2	0.11	0.22	0.38	0.14	<0.1	0.16	1	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	17 Jan 2017	MW168_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**94.43**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	03 May 2017	MW168_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.56	*59*	9.9	**68.9**	-	<0.01	0.53	0.36	<0.01	<0.05	0.15	1.9	0.35	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
MW168	23 Apr 2018	MW168_GW_23042018	Normal	NSW_0908_PFAS	On-base	-	0.3	*78.3*	4.91	**83.2**	85.6	0.1	0.18	0.36	0.16	<0.1	0.1	1.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	23 Apr 2018	MW168_GW_23042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**83.21**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	08 Aug 2018	0908_MW168_180808	Normal	NSW_0908_PFASMGMT	On-base	-	0.30	*29.5*	3.15	**32.6**	34.1	0.07	0.13	0.19	0.25	<0.1	0.06	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_MW168_180903	Normal	NSW_0908_PFASMGMT	On-base	-	**1.24**	*58.2*	15.5	**73.7**	78.0	0.15	0.34	0.49	0.14	<0.1	0.18	1.42	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_QC100_180903	Field_D	NSW_0908_PFASMGMT	On-base	-	**1.30**	*56.9*	14	**70.9**	75.4	0.14	0.36	0.47	0.16	<0.1	0.19	1.49	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_QC200-180903	Interlab_D	NSW_0908_PFASMGMT	On-base	-	**1.0**	*48*	10	**58**	-	0.14	0.26	0.18	<0.01	0.12	0.19	1.3	0.25	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.055	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	02 Oct 2018	0908_MW168_181002	Normal	NSW_0908_PFASMGMT	On-base	-	0.34	*75.5*	4.41	**79.9**	82.5	0.14	0.24	0.40	<0.02	<0.1	0.15	1.21	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	02 Oct 2018	0908_QC104_181002	Field_D	NSW_0908_PFASMGMT	On-base	-	0.35	*66.7*	4.68	**71.4**	74.1	0.14	0.23	0.44	<0.02	<0.1	0.16	1.22	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	02 Oct 2018	0908_QC204_181002	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.23	*61*	3	**64**	-	0.10	0.16	0.16	<0.01	<0.05	0.11	0.79	0.080	0.012	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.015	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	29 Nov 2018	0908_MW168_181129	Normal	NSW_0908_PFAS	On-base	-	0.08	*34.2*	1.36	**35.6**	36.3	0.04	0.08	0.08	<0.02	<0.1	0.04	0.37	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2018	0908_MW168_181129	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**35.56**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	29 Nov 2018	0908_QC108_181129	Field_D	NSW_0908_PFAS	On-base	-	0.25	*11.6*	3.75	**15.4**	17.6	0.3	0.34	0.22	<0.02	<0.1	0.19	0.83	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2018	0908_QC108_181129	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**15.35**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	22 Jan 2019	0908_MW168_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.10	*41.5*	3.07	**44.6**	45.9	0.10	0.16	0.12	<0.02	<0.1	0.06	0.71	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	01 Apr 2019	0908_MW168_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.11	*24.6*	2.25	**26.8**	27.4	0.06	0.07	0.10	<0.02	<0.1	0.02	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	31 May 2019	0908_MW168_190531	Normal	NSW_0908_PFAS	On-base	-	0.07	*23.3*	1.28	**24.58**	24.9	0.03	0.06	0.07	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	31 May 2019	0908_MW168_190531	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**24.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	20 Jun 2019	0908_MW168_190620	Normal	NSW_0908_PFASMGMT	On-base	-	0.09	*13.5*	1.53	**15**	15.5	0.06	0.09	0.09	<0.02	<0.1	<0.02	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	24 Sep 2019	0908_MW168S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.16	*25.9*	2.17	**28.1**	30.3	0.16	0.16	0.14	<0.02	<0.1	0.28	1.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	06 Nov 2019	0908_MW168_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*19.6*	1.16	**20.8**	22.6	0.10	0.18	0.10	<0.02	<0.1	0.16	1.15	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_MW168_191129	Normal	NSW_0908_PFASMGMT	On-base	-	0.06	*16.5*	1	**17.5**	18.4	0.05	0.10	0.07	<0.02	<0.1	0.07	0.57	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_QC202_191129	Field_D	NSW_0908_PFASMGMT	On-base	-	0.06	*15*	0.95	**16**	16.8	0.05	0.09	0.08	<0.02	<0.1	0.07	0.51	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_QC102_191129	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.047	*16*	0.97	**16.97**	-	0.047	0.072	0.052	<0.01	<0.05	0.062	0.40	0.024	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	13 Mar 2020	0908_MW168_200313	Normal	NSW_0908_PFASMGMT	On-base	-	0.10	*26.1*	1.9	**28**	29.1	0.08	0.12	0.11	<0.02	<0.1	0.09	0.54	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 Mar 2020	0908_QC100_200313	Field_D	NSW_0908_PFASMGMT	On-base	-	0.10	*25.4*	1.92	**27.3**	28.4	0.08	0.13	0.12	<0.02	<0.1	0.09	0.52	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 May 2020	0908_MW168_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.11	*22.3*	2.21	**24.5**	26.5	0.10	0.26	0.11	<0.02	<0.1	0.15	1.16	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	16 Nov 2020	0908_MW168_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.25	*2.95*	0.58	**3.53**	4.19	<0.02	<0.02	0.19	0.11	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 May 2021	0908_MW168_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.51	*9.84*	4.39	**14.2**	16.3	0.09	0.16	0.27	0.08	<0.1	0.11	0.71	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 Nov 2021	0908_MW168_211118	Normal	NSW_0908_PFASMGMT	On-base	-	0.09	*25.6*	1.46	**27.1**	28.0	0.06	0.06	0.11	<0.02	<0.1	0.07	0.54	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 Nov 2021	0908_MW168_211118	Normal	NSW_0908_PFASOMP	On-base	-	0.15	*20.7*	1.91	**22.6**	24.2	0.10	0.13	0.20	<0.02	<0.1	0.06	0.82	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_MW168_220526	Normal	NSW_0908_PFASMGMT	On-base	-	0.32	*14.6*	3.47	**18.1**	19.6	0.06	0.14	0.14	0.05	<0.1	0.07	0.67	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_MW168_220526	Normal	NSW_0908_PFASOMP	On-base	-	0.24	*7.87*	3.39	**11.3**	12.5	0.06	0.15	0.13	0.04	<0.1	0.04	0.40	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_QC203_220526	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.28	*17*	3.6	**21**	22	0.06	0.12	0.18	0.08	0.05	0.07	0.51	0.10	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW168	09 Nov 2022	0908_MW168_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.18	*4.24*	0.8	**5.04**	5.78	<0.02	<0.02	0.14	0.03	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	10 May 2023	0908_MW168_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.44	*44.4*	6.17	**50.6**	52.4	0.07	0.19	0.23	0.06	<0.1	0.04	0.54	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	22 Nov 2023	0908_MW168_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07	*9.25*	0.66	**9.91**	10.3	<0.02	0.04	0.03	<0.02	<0.1	0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	17 Apr 2024	0908_MW168_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.26	*26.5*	2.12	**28.6**	30.5	0.08	0.09	0.20	0.16	<0.1	0.04	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	24 Sep 2024	0908_MW168_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	**1.97**	*1.98*	2.88	**4.86**	9.00	0.02	0.05	1.20	0.19	<0.1	0.06	0.27	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	13 Jan 2016	MW169D_13012016	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.31*	-	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW169D	02 Sep 2016	MW169D_020916	Normal	NSW_0908_PFAS	On-base	-	0.05	*0.5*	4.1	**4.6**	-	1.6	-	-	<0.01	0.22	0.45	2.9	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW169D	12 Oct 2016	MW169D_121016	Normal	NSW_0908_PFAS	On-base	-	0.05	*0.85*	4.9	**5.75**	-	1.5	-	-	<0.01	0.35	0.47	3.5	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	16 Jan 2017	MW169D_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.07	*0.47*	4	**4.47**	-	1.5	-	-	<0.01	0.32	0.53	3.4	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	16 Jan 2017	MW169D_160117	Normal	NSW_0908_PFAS	On-base	-	0.07	*0.47*	4	**4.47**	-	1.5	-	-	<0.01	0.32	0.53	3.4	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	17 Jan 2017	MW169D_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.13	*0.65*	6.72	**7.37**	18.6	2.72	2.52	0.12	<0.02	<0.1	1.06	4.33	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	03 May 2017	MW169D_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.1	*0.82*	7.5	**8.32**	-	0.04	1.9	0.1	<0.01	<0.05	0.82	4.3	0.27	<0.01	<0.01	0.02	0.05	0.05	0.33	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW169D	22 Nov 2017	0908_MW169D_221117	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.28*	7.8	**8.08**	17.2	2.20	2.30	0.03	<0.02	0.2	0.58	3.60	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	30 May 2019	0908_MW169D_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.11*	0.15	**0.26**	0.37	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	06 Nov 2019	0908_MW169D_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*0.71*	5.54	**6.25**	12.4	1.46	1.34	0.10	<0.02	0.2	0.58	2.22	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	06 Nov 2019	0908_QC103_191107	Field_D	NSW_0908_PFASOMP	On-base	-	0.09	*0.67*	5.44	**6.11**	12.2	1.37	1.20	0.09	<0.02	0.2	0.49	2.48	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	07 Nov 2019	0908_QC203_191107	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.062	*0.52*	5.2	**5.72**	-	1.2	0.95	0.049	<0.01	0.23	0.43	1.9	0.12	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.074	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.01	<0.01	<0.05
MW169D	13 May 2020	0908_MW169D_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.03	*0.28*	2.18	**2.46**	4.80	0.47	0.56	0.03	<0.02	<0.1	0.18	1.01	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	16 Nov 2020	0908_MW169_D_201116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.06*	0.33	**0.39**	0.79	0.08	0.06	<0.02	<0.02	<0.1	0.03	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	18 May 2021	0908_MW169D_210518	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.09*	0.43	**0.52**	1.08	0.12	0.09	<0.02	0.04	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	16 Nov 2021	0908_MW169D_211116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.08*	0.21	**0.29**	0.58	0.08	0.04	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	19 May 2022	0908_MW169D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.08*	0.1	**0.18**	0.24	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_MW169D_221109	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.06*	0.12	**0.18**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_QC113_221109	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01	*0.08*	0.19	**0.27**	0.37	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**	**Perfluorooctanoic acid (PFOA)**	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW169D	09 Nov 2022	0908_QC213_221109	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	*0.06*	0.16	**0.22**	0.32	0.02	0.03	<0.01	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169D	10 May 2023	0908_MW169D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.06*	0.06	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_MW169D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.04*	0.05	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_QC106_231122	Field_D	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.04*	0.05	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_QC206_231122	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.04*	0.05	**0.09**	0.11	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169D	17 Apr 2024	0908_MW169D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_MW169D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.08*	0.10	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_QC108_240924	Field_D	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.07*	0.09	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_QC208_240924	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.08*	0.1	**0.18**	0.20	<0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169S	13 Jan 2016	MW169S_13012016	Normal	NSW_0908_PFAS	On-base	-	0.05	*0.2*	-	**0.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW169S	02 Sep 2016	MW169S_020916	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.2*	0.4	**0.6**	-	0.02	-	-	<0.01	<0.05	0.02	0.13	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW169S	12 Oct 2016	MW169S_121016	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.23*	0.38	**0.61**	-	0.02	-	-	<0.01	<0.05	0.02	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	16 Jan 2017	MW169S_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.06	*0.11*	0.51	**0.62**	-	0.02	-	-	<0.01	<0.05	0.03	0.19	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	16 Jan 2017	MW169S_160117	Normal	NSW_0908_PFAS	On-base	-	0.06	*0.11*	0.51	**0.62**	-	0.02	-	-	<0.01	<0.05	0.03	0.19	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	17 Jan 2017	MW169S_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.08	*0.16*	0.68	**0.84**	1.4	<0.02	0.05	0.1	<0.02	<0.1	0.05	0.22	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	03 May 2017	MW169S_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.05	*0.18*	0.88	**1.06**	-	0.07	0.07	0.06	<0.01	<0.05	0.03	0.17	0.03	<0.01	0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW169S	05 Sep 2018	0908_MW169S_180905	Normal	NSW_0908_PFASMGMT	On-base	-	0.06	*0.08*	0.86	**0.94**	1.27	0.02	0.03	0.05	<0.02	<0.1	0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	22 Jan 2019	0908_MW169S_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	*0.05*	0.56	**0.61**	1.23	0.02	0.02	0.05	<0.02	0.4	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	30 May 2019	0908_MW169S_190530	Normal	NSW_0908_PFAS	On-base	-	0.03	*0.17*	0.35	**0.52**	0.69	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	24 Sep 2019	0908_MW169S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.02	*0.1*	0.46	**0.56**	0.72	<0.02	0.03	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	06 Nov 2019	0908_MW169S_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*0.15*	0.37	**0.52**	0.62	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	13 May 2020	0908_MW169S_200513	Normal	NSW_0908_PFASOMP	On-base	-	<0.05	*0.31*	0.26	**0.57**	0.62	<0.05	<0.05	0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW169S	16 Nov 2020	0908_MW169_S_201116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.13*	0.21	**0.34**	0.39	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	18 May 2021	0908_MW169S_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*0.11*	0.27	**0.38**	0.57	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	16 Nov 2021	0908_MW169S_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.01	*0.11*	0.15	**0.26**	0.42	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	19 May 2022	0908_MW169S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.01	*0.12*	0.13	**0.25**	0.37	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	09 Nov 2022	0908_MW169S_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.01	*0.08*	0.15	**0.23**	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	10 May 2023	0908_MW169S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.07*	0.16	**0.23**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	22 Nov 2023	0908_MW169S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.04*	0.14	**0.18**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	17 Apr 2024	0908_MW169S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.07*	0.25	**0.32**	0.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	24 Sep 2024	0908_MW169S_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.07*	0.09	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	15 Jan 2016	MW171D_15012016	Normal	NSW_0908_PFAS	On-base	-	0.12	*4.97*	-	**4.97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW171D	31 Aug 2016	MW171D_310816	Normal	NSW_0908_PFAS	On-base	-	0.03	*2.2*	0.47	**2.67**	-	0.03	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW171D	12 Oct 2016	MW171D_121016	Normal	NSW_0908_PFAS	On-base	-	0.02	*1.5*	0.41	**1.91**	-	0.06	-	-	<0.01	<0.05	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171D	13 Jan 2017	MW171D_130117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02	*1.1*	0.33	**1.43**	-	0.08	-	-	<0.01	<0.05	0.02	0.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171D	24 Jan 2017	MW171D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.18*	0.61	**0.79**	1.34	0.18	0.17	<0.02	<0.02	<0.1	0.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	24 Jan 2017	MW171D_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.42	**0.42**	2.69	0.64	0.37	<0.02	<0.02	<0.1	0.21	1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	03 May 2017	MW171D_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.03	*1.8*	0.74	**2.54**	-	<0.01	0.17	0.07	<0.01	<0.05	0.05	0.22	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW171D	04 Apr 2018	MW171D_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.07*	0.5	**0.57**	1.15	0.16	0.18	<0.02	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	22 Nov 2018	0908_MW171D_181122	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.99*	0.2	**1.19**	1.68	<0.02	<0.02	0.03	<0.02	0.4	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	30 May 2019	0908_MW171D_190530	Normal	NSW_0908_PFAS	On-base	-	0.03	*2.23*	0.35	**2.58**	2.77	0.04	0.03	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	25 Oct 2019	0908_MW171D_191025	Normal	NSW_0908_PFASMGMT	On-base	-	0.09	*2.93*	1	**3.93**	4.36	0.02	0.03	0.14	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	15 May 2020	0908_MW171D_200515	Normal	NSW_0908_PFASOMP	On-base	-	0.07	*0.47*	0.73	**1.2**	1.50	<0.02	0.02	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	17 May 2021	0908_MW171D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.03	*0.03*	0.48	**0.51**	0.84	0.08	0.08	0.03	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	19 May 2022	0908_MW171D_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.01	*0.01*	0.93	**0.94**	2.07	0.33	0.30	<0.02	<0.02	<0.1	0.08	0.38	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	10 May 2023	0908_MW171D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.04*	0.47	**0.51**	1.00	0.14	0.12	<0.02	<0.02	<0.1	0.05	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	17 Apr 2024	0908_MW171D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.03	*0.04*	1.48	**1.52**	3.56	0.50	0.41	<0.02	<0.02	<0.1	0.14	0.64	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	15 Jan 2016	MW171S_15012016	Normal	NSW_0908_PFAS	On-base	-	0.22	*0.89*	-	**0.89**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW171S	31 Aug 2016	MW171S_310816	Normal	NSW_0908_PFAS	On-base	-	0.23	*1.6*	2.6	**4.2**	-	0.27	-	-	<0.01	<0.05	0.05	0.38	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW171S	12 Oct 2016	MW171S_121016	Normal	NSW_0908_PFAS	On-base	-	0.25	*2.5*	2.5	**5**	-	0.17	-	-	<0.01	<0.05	0.06	0.44	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171S	13 Jan 2017	MW171S_130117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.32	*2.9*	2	**4.9**	-	0.16	-	-	<0.01	0.09	0.1	0.64	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171S	24 Jan 2017	MW171S_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	**0.64**	*4.65*	5.45	**10.1**	14.4	0.42	0.48	1.14	<0.02	<0.1	0.26	1.22	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	03 May 2017	MW171S_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.21	*1.7*	2.9	**4.6**	-	0.2	0.19	0.3	<0.01	<0.05	0.11	0.49	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW171S	04 Apr 2018	MW171S_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	0.14	*2.26*	2.38	**4.64**	5.69	0.05	0.12	0.3	<0.02	<0.1	0.04	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	09 Aug 2018	0908_MW171S_180809	Normal	NSW_0908_PFASMGMT	On-base	-	0.14	*2.05*	1.94	**3.99**	5.02	0.09	0.13	0.33	<0.02	<0.1	0.03	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	05 Sep 2018	0908_HW171S_180905	Normal	NSW_0908_PFASMGMT	On-base	-	0.10	*1.1*	1.92	**3.02**	3.65	0.05	0.10	0.23	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	03 Oct 2018	0908_MW171S_181003	Normal	NSW_0908_PFASMGMT	On-base	-	0.17	*2.09*	2.66	**4.75**	5.95	0.08	0.13	0.28	<0.02	<0.1	0.06	0.42	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	22 Nov 2018	0908_MW171S_181122	Normal	NSW_0908_PFAS	On-base	-	0.3	*1.89*	2.67	**4.56**	5.4	0.04	0.06	0.24	<0.02	<0.1	<0.02	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	22 Jan 2019	0908_MW171S_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.20	*1.8*	2.79	**4.59**	5.75	0.06	0.08	0.51	<0.02	<0.1	0.03	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_MW171S_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.11	*9.91*	2.11	**12**	13.0	0.09	0.08	0.40	<0.02	<0.1	0.03	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_QC101_190401	Field_D	NSW_0908_PFASMGMT	On-base	-	0.10	*9.56*	1.96	**11.5**	12.4	0.09	0.07	0.38	<0.02	<0.1	0.03	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_QC201_190401	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.063	*8.6*	1.7	**10.3**	-	0.049	0.056	0.27	<0.01	<0.05	0.025	0.11	0.029	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	20 Jun 2019	0908_MW171S_190620	Normal	NSW_0908_PFAS	On-base	-	0.06	*1.83*	0.74	**2.57**	2.84	<0.02	0.02	0.14	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2019	0908_MW171S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.07	*1.03*	0.96	**1.99**	2.34	0.03	0.06	0.12	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							0.56			0.07																										
PFAS NEMP 2020 Recreational Water							10			2																										
PFAS NEMP 2020 Freshwater 99%							19	0.00023																												
MW171S	25 Oct 2019	0908_MW171S_191025	Normal	NSW_0908_PFASMGMT	On-base	-	0.02	1.02	0.31	1.33	1.43	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_MW171s_191129	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	0.65	0.21	0.86	0.96	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_QC100_191129	Field_D	NSW_0908_PFASMGMT	On-base	-	0.03	0.69	0.21	0.9	1.00	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_QC200_191129	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.020	<0.02	0.19	0.19	-	<0.01	<0.01	0.047	<0.01	<0.05	<0.02	0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	13 Mar 2020	0908_MW171S_200316	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	0.56	0.62	1.18	1.43	<0.02	0.03	0.12	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	15 May 2020	0908_MW171S_200515	Normal	NSW_0908_PFASOMP	On-base	-	0.06	1.74	0.72	2.46	2.72	0.04	0.03	0.07	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	23 Jun 2020	0908_MW171S_200623	Normal	NSW_0908_PFASMGMT	On-base	-	0.06	0.32	0.43	0.75	1.06	0.02	0.02	0.11	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	23 Jun 2020	0908_QC101_200623	Field_D	NSW_0908_PFASMGMT	On-base	-	0.06	0.32	0.4	0.72	1.00	<0.02	0.02	0.10	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	23 Jun 2020	0908_QC201_200623	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.043	0.16	0.36	0.52	-	0.014	0.016	0.064	<0.01	<0.05	<0.02	0.066	0.011	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	30 Sep 2020	0908_MW171S_200930	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	0.31	0.46	0.77	1.00	0.03	0.05	0.07	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	30 Sep 2020	0908_QC100_200930	Field_D	NSW_0908_PFASMGMT	On-base	-	0.04	0.46	0.66	1.12	1.44	0.05	0.07	0.09	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	30 Sep 2020	0908_QC200_200930	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.031	0.23	0.43	0.66	-	0.035	0.042	0.045	<0.01	<0.05	<0.02	0.047	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	13 Jan 2021	0908_MW171_S_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	0.72	0.25	0.97	1.16	0.02	0.05	0.07	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	26 Mar 2021	0908_MW171_S_210326	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	0.31	0.18	0.49	0.62	0.03	0.03	0.04	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	17 May 2021	0908_MW171S_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.06	0.66	0.39	1.05	1.42	0.03	0.03	0.09	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Jun 2021	0908_MW171S_210624	Normal	NSW_0908_PFASMGMT	On-base	-	0.06	0.48	0.28	0.76	1.00	<0.02	<0.02	0.07	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2021	0908_MW171S_210924	Normal	NSW_0908_PFASMGMT	On-base	-	0.11	0.73	0.25	0.98	1.26	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2021	0908_QC201_210924	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.12	0.82	0.24	1.1	1.4	<0.01	0.01	0.12	<0.02	<0.02	<0.02	0.06	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	12 Jan 2022	0908_MW171S_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.15	0.65	0.43	1.08	1.37	<0.02	<0.02	0.12	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Jan 2022	0908_QC100_220112	Field_D	NSW_0908_PFASMGMT	On-base	-	0.16	0.65	0.45	1.1	1.42	<0.02	<0.02	0.13	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Jan 2022	0908_QC200_220112	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.13	0.48	0.44	0.92	1.2	<0.01	0.02	0.10	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	14 Mar 2022	0908_MW171S_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.14	0.76	0.47	1.23	1.59	<0.02	0.04	0.15	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	14 Mar 2022	0908_QC100_220314	Field_D	NSW_0908_PFASMGMT	On-base	-	0.12	0.69	0.45	1.14	1.45	<0.02	0.03	0.14	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	14 Mar 2022	0908_QC200_220314	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.13	0.66	0.52	1.2	1.5	0.01	0.03	0.15	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	19 May 2022	0908_MW171S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.09	0.87	0.58	1.45	1.82	0.02	0.03	0.19	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	21 Jun 2022	0908_MW171S_220621	Normal	NSW_0908_PFASMGMT	On-base	-	0.08	1.49	0.65	2.14	2.55	<0.02	0.03	0.26	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	21 Jun 2022	0908_QC201_220621	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.08	1.9	0.53	2.4	2.8	0.01	0.03	0.24	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	12 Sep 2022	0908_MW171S_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.06	1.16	0.8	1.96	2.41	0.03	0.06	0.17	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Sep 2022	0908_QC100_220912	Field_D	NSW_0908_PFASMGMT	On-base	-	0.05	1.21	0.84	2.05	2.46	0.03	0.06	0.16	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	10 May 2023	0908_MW171S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07	0.63	0.79	1.42	1.83	0.04	0.06	0.15	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	17 Apr 2024	0908_MW171S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.04	0.46	0.61	1.07	1.43	0.03	0.04	0.21	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	14 Jan 2016	MW172_14012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW172	14 Jan 2016	QC102_WG_14012016	Field_D	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW172	02 Sep 2016	MW172_020916	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.1	0.03	0.13	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW172	12 Oct 2016	MW172_121016	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.05	0.02	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	16 Jan 2017	MW172_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	0.03	0.03	0.06	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	16 Jan 2017	MW172_160117	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.03	0.03	0.06	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	25 Jan 2017	MW172_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	03 May 2017	MW172_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	0.31	0.12	0.43	-	0.06	0.04	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW172	09 Aug 2018	0908_MW172_180809	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	05 Sep 2018	0908_MW172_180905	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	03 Oct 2018	0908_MW172_181003	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2018	0908_MW172_181129	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2018	0908_MW172_181129	Normal	NSW_0908_PFAS	On-base	-	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW172	23 Jan 2019	0908_MW172_190123	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.06	0.06	0.16	0.05	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	02 Apr 2019	0908_MW172_190402	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.04	0.18	0.22	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 May 2019	0908_MW172_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.09	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 May 2019	0908_MW172_190530	Normal	NSW_0908_PFAS	On-base	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW172	20 Jun 2019	0908_MW172_190620	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.02	0.06	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2019	0908_MW172_190924	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.09	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	06 Nov 2019	0908_MW172_191107	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.09	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_MW172_191129	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.08	0.08	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_QC101_191129	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.08	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_QC201_191129	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.02	0.073	0.073	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW172	13 Mar 2020	0908_MW172_200313	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.03	0.16	0.19	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	15 May 2020	0908_MW172_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.09	0.09	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Jun 2020	0908_MW172_200622	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_MW172_200930	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.01	0.81	0.82	0.90	0.02	0.06	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_QC101_200930	Field_D	NSW_0908_PFASMGMT	On-base	-	0.01	0.02	1.25	1.27	1.42	0.04	0.10	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_QC201_200930	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.02	0.8	0.8	-	0.023	0.05	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW172	16 Nov 2020	0908_MW172_201116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.25	0.25	0.33	0.04	0.04	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	14 Jan 2021	0908_MW172_210114	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.42	0.42	0.51	0.03	0.06	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	26 Mar 2021	0908_MW172_210326	Normal	NSW_0908_PFASMGMT	On-base	-	0.12	0.07	1.08	1.15	1.61	0.04	0.07	0.02	<0.02	<0.1	0.03	0.14	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	17 May 2021	0908_MW172_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.10	0.05	1.98	2.03	2.96	0.10	0.16	<0.02	<0.02	<0.1	0.06	0.44	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW172	24 Jun 2021	0908_MW172_210624	Normal	NSW_0908_PFASMGMT	On-base	-	0.02	0.02	0.4	0.42	0.52	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_MW172_210924	Normal	NSW_0908_PFASMGMT	On-base	-	0.01	0.01	0.15	0.16	0.34	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_QC102_210924	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.12	0.12	0.27	0.06	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_QC202_210924	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01	<0.01	0.1	0.1	0.27	0.07	0.05	<0.01	<0.02	0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW172	10 Nov 2021	0908_MW172_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.01	0.05	0.21	0.26	0.49	0.09	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	12 Jan 2022	0908_MW172_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.02	0.02	0.41	0.43	0.74	0.06	0.06	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	16 Mar 2022	0908_MW172_220316	Normal	NSW_0908_PFASMGMT	On-base	-	0.08	0.05	1.04	1.09	1.98	0.03	0.06	<0.02	<0.02	0.2	0.17	0.32	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	19 May 2022	0908_MW172_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.05	0.05	1.28	1.33	2.22	0.17	0.26	<0.02	<0.02	0.1	0.09	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Jun 2022	0908_MW172_220622	Normal	NSW_0908_PFASMGMT	On-base	-	0.14	0.15	1.88	2.03	2.67	0.10	0.13	0.03	<0.02	<0.1	0.04	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	13 Sep 2022	0908_MW172_220913	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	0.05	1.06	1.11	1.34	0.02	0.04	<0.02	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_MW172_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.01	0.02	0.48	0.5	0.69	0.03	0.04	<0.02	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_QC105_221110	Field_D	NSW_0908_PFASOMP	On-base	-	0.01	0.04	0.54	0.58	0.78	0.03	0.05	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_QC205_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	0.02	0.42	0.44	0.59	0.03	0.04	<0.01	<0.02	<0.02	0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW172	10 May 2023	0908_MW172_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.03	0.07	0.92	0.99	1.92	0.05	0.08	<0.02	<0.02	0.2	0.44	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Nov 2023	0908_MW172_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.03	0.04	0.45	0.49	0.94	0.11	0.15	<0.02	<0.02	<0.1	<0.02	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	17 Apr 2024	0908_MW172_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	0.03	0.69	0.72	1.23	0.14	0.20	<0.02	<0.02	<0.1	<0.02	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2024	0908_MW172_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.08	0.03	4.28	4.31	5.27	0.25	0.45	<0.02	<0.02	<0.1	0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	15 Jan 2016	MW175D_15012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.04	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW175D	29 Aug 2016	MW175D_290816	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.33	0.09	0.42	-	<0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW175D	19 Oct 2016	MW175D_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.67	0.09	0.76	-	<0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW175D	19 Dec 2016	MW175D_GW_19122016	Normal	NSW_0908_PFAS	On-base	-	0.02	3.01	0.19	3.2	3.29	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	20 Dec 2016	MW175D_GW_20122016	Normal	NSW_0908_PFAS	On-base	-	0.02	3.01	0.19	3.2	3.29	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	12 Jan 2017	MW175D_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02	2.6	0.21	2.81	-	0.02	-	-	<0.01	<0.05	<0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW175D	24 Jan 2017	MW175D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	0.09	3.49	0.76	4.25	4.81	0.06	0.08	0.09	<0.02	<0.1	0.04	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	24 Jan 2017	QC717_24012017	Field_D	NSW_0908_PFAS	On-base	-	0.08	3.8	0.71	4.51	5.05	0.06	0.08	0.08	<0.02	<0.1	0.04	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	02 May 2017	MW175D_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.03	1.4	0.33	1.73	-	0.02	0.03	0.04	<0.01	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW175D	20 Apr 2018	MW175D_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.05	2.5	0.43	2.93	3.23	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	14 Sep 2018	0908_MW175D_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.20	8.67	1.77	10.4	12.0	0.13	0.16	0.22	<0.02	<0.1	0.09	0.67	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	29 Nov 2018	0908_MW175D_181129	Normal	NSW_0908_PFAS	On-base	-	0.08	4.43	0.77	5.2	5.75	0.06	0.07	0.06	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	31 May 2019	0908_MW175D_190531	Normal	NSW_0908_PFAS	On-base	-	0.08	8.3	0.6	8.9	9.43	0.05	0.06	0.08	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	08 Nov 2019	0908_MW175D_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.06	2	0.65	2.65	3.25	0.08	0.09	0.05	<0.02	<0.1	0.05	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	11 May 2020	0908_MW175D_200511	Normal	NSW_0908_PFASOMP	On-base	-	0.10	4.07	0.83	4.9	5.74	0.06	0.10	0.09	<0.02	<0.1	0.06	0.30	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 Nov 2020	0908_MW175_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.06	3.99	0.64	4.63	5.16	0.05	0.06	0.06	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 May 2021	0908_MW175D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.04	1.24	0.46	1.7	2.11	0.05	0.07	0.03	<0.02	<0.1	0.02	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	16 Nov 2021	0908_MW175D_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.03	2.1	0.4	2.5	2.89	0.05	0.05	0.03	<0.02	<0.1	0.03	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	16 Nov 2021	0908_QC108_211116	Field_D	NSW_0908_PFASOMP	On-base	-	0.04	2.4	0.44	2.84	3.27	0.05	0.05	0.03	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	19 May 2022	0908_MW175D_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.05	3.45	0.76	4.21	4.81	0.06	0.08	0.04	<0.02	<0.1	0.08	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 Nov 2022	0908_MW175D_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.07	4.43	1.13	5.56	6.31	0.07	0.13	0.07	<0.02	<0.1	0.08	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 May 2023	0908_MW175D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07	4.61	1.05	5.66	6.32	0.07	0.10	0.04	<0.02	<0.1	0.07	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 May 2023	0908_QC119_230510	Field_D	NSW_0908_PFASOMP_23	On-base	-	0.08	4.13	1.13	5.26	6.18	0.12	0.12	0.08	<0.02	<0.1	0.12	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	22 Nov 2023	0908_MW175D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.10	3.36	1.03	4.39	5.30	0.06	0.08	0.06	<0.02	<0.1	0.12	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 Apr 2024	0908_MW175D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10	3.69	1.04	4.73	5.66	0.07	0.10	0.06	<0.02	<0.1	0.12	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	24 Sep 2024	0908_MW175D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.11	4.68	1.12	5.8	6.73	0.07	0.10	0.06	<0.02	<0.1	0.11	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Feb 2016	MW178_26022016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Feb 2016	QC142_WG_26022016	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW178	10 Jan 2017	MW178_GW_10012017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	27 Mar 2018	MW178_GW_27032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Nov 2018	0908_MW178_181126	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	21 May 2019	0908_MW178_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	07 Nov 2019	0908_MW178_191107	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	04 Jun 2020	0908_MW178_200604	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	24 Nov 2020	0908_MW178_201124	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	19 May 2021	0908_MW178_210519	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	0.08	0.12	0.2	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	15 Nov 2021	0908_MW178_211115	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	0.02	0.11	0.13	0.26	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	15 Nov 2021	0908_QC107_211115	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	0.03	0.13	0.16	0.28	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	01 Jun 2022	0908_MW178_220601	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	0.04	0.1	0.14	0.23	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	09 Nov 2022	0908_MW178_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	0.11	0.3	0.41	0.65	0.06	0.08	<0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_MW178_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	0.08	0.15	0.23	0.35	0.05	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_QC118_230517	Field_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	0.1	0.18	0.28	0.44	0.06	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_QC218_230517	Interlab_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	0.08	0.24	0.32	0.50	0.05	0.06	<0.01	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW178	21 Nov 2023	0908_MW178_231121	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	0.01	0.1	0.34	0.44	0.80	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.14	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	22 Apr 2024	0908_MW178_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	0.07	0.08	0.15	0.21	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	23 Sep 2024	0908_MW178_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	0.05	0.22	0.27	0.41	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	20 Jan 2016	MW179D_20012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-

Table T5 - Historical Groundwater Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW179D	30 Aug 2016	MW179D_300816	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.02	0.33	**0.35**	-	0.04	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW179D	18 Oct 2016	MW179D_181016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.34	**0.34**	-	0.05	-	-	<0.01	<0.05	0.01	0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	16 Jan 2017	MW179D_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	<0.01	0.4	**0.4**	-	0.05	-	-	<0.01	<0.05	0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	16 Jan 2017	MW179D_160117	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.4	**0.4**	-	0.05	-	-	<0.01	<0.05	0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	19 Jan 2017	MW179D_GW_19012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.55	**0.55**	0.76	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 Jan 2017	QC715_GW_19012017	Field_D	NSW_0908_PFAS	On-base	-	0.01	0.34	0.22	**0.56**	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	04 May 2017	MW179D_040517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	<0.01	0.45	**0.45**	-	0.1	0.08	<0.01	<0.01	<0.05	0.02	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.56	**0.56**	0.90	0.13	0.11	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.68	**0.68**	1.19	0.19	0.13	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.69**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW179D	22 Nov 2018	0908_MW179D_181122	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.01	0.36	**0.37**	0.68	0.13	0.08	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	30 May 2019	0908_MW179D_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.02	0.4	**0.42**	0.75	0.12	0.08	<0.02	<0.02	<0.1	0.03	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	08 Nov 2019	0908_MW179D_191108	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.43	**0.43**	0.71	0.09	0.08	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	13 May 2020	0908_MW179D_200513	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.36	**0.36**	0.54	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	17 Nov 2020	0908_MW179_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.01	<0.01	0.28	**0.28**	0.41	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	17 May 2021	0908_MW179D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.02	<0.01	0.41	**0.41**	0.63	0.04	0.05	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	16 Nov 2021	0908_MW179D_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.02	<0.01	0.46	**0.46**	0.69	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 May 2022	0908_MW179D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	0.01	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	10 Nov 2022	0908_MW179D_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.04	0.28	0.86	**1.14**	1.68	0.08	0.12	0.03	<0.02	<0.1	0.05	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	10 May 2023	0908_MW179D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.06	1.17	1.33	**2.5**	3.25	0.13	0.19	0.06	<0.02	<0.1	0.06	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	22 Nov 2023	0908_MW179D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.06	3.69	1.31	**5**	5.58	0.05	0.08	0.06	<0.02	<0.1	0.08	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	18 Apr 2024	0908_MW179D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	0.19	0.8	**0.99**	1.49	0.10	0.14	<0.02	<0.02	<0.1	0.04	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	20 Jan 2016	MW179S_20012016	Normal	NSW_0908_PFAS	On-base	-	0.02	0.11	-	**0.11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179S	20 Jan 2016	QC108_WG_20012016	Field_D	NSW_0908_PFAS	On-base	-	0.04	0.13	-	**0.13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179S	30 Aug 2016	MW179S_300816	Normal	NSW_0908_PFAS	On-base	-	0.02	0.2	0.24	**0.44**	-	0.01	-	-	<0.01	<0.05	0.01	0.09	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW179S	15 Sep 2016	MW179S_150916	Normal	NSW_0908_PFAS	On-base	-	0.025	0.25	0.23	**0.48**	-	0.016	0.026	0.014	<0.01	<0.5	0.013	0.051	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW179S	18 Oct 2016	MW179S_181016	Normal	NSW_0908_PFAS	On-base	-	0.04	0.09	0.62	**0.71**	-	0.03	-	-	<0.01	<0.05	0.03	0.16	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	16 Jan 2017	MW179S_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.01	0.09	0.21	**0.3**	-	0.02	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	16 Jan 2017	MW179S_160117	Normal	NSW_0908_PFAS	On-base	-	0.01	0.09	0.21	**0.3**	-	0.02	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	19 Jan 2017	MW179S_GW_19012017	Normal	NSW_0908_PFAS	On-base	-	0.01	0.08	0.26	**0.34**	0.42	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	04 May 2017	MW179S_040517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.06	0.17	1.2	**1.37**	-	0.08	0.1	0.03	<0.01	<0.05	0.05	0.25	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW179S	19 Apr 2018	MW179S_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	0.06	0.46	1.67	**2.13**	3.13	0.17	0.24	0.03	<0.02	<0.1	0.09	0.38	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	22 Nov 2018	0908_MW179S_181122	Normal	NSW_0908_PFAS	On-base	-	0.05	0.46	0.83	**1.29**	1.67	0.08	0.09	0.06	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	30 May 2019	0908_MW179S_190530	Normal	NSW_0908_PFAS	On-base	-	0.02	0.59	0.74	**1.33**	1.65	0.08	0.12	0.03	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	08 Nov 2019	0908_MW179S_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.04	0.55	1.51	**2.06**	2.80	0.19	0.24	0.04	<0.02	<0.1	0.04	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	13 May 2020	0908_MW179S_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.05	0.14	1.98	**2.12**	3.03	0.14	0.30	0.02	<0.02	<0.1	0.04	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	17 Nov 2020	0908_MW179_S_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.04	0.52	1.68	**2.2**	2.49	0.06	0.09	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	17 May 2021	0908_MW179S_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.34	0.26	4.84	**5.1**	7.44	0.16	0.38	0.05	<0.02	0.1	0.19	0.85	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	16 Nov 2021	0908_MW179S_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.29	0.14	1.19	**1.33**	2.39	0.04	0.08	0.02	<0.02	0.1	0.10	0.35	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	19 May 2022	0908_MW179S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.44	0.22	1.67	**1.89**	3.04	0.05	0.09	0.02	<0.02	0.1	0.11	0.27	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	10 Nov 2022	0908_MW179S_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.12	0.19	0.61	**0.8**	1.19	<0.02	0.02	<0.02	<0.02	<0.1	0.08	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	10 May 2023	0908_MW179S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.37	0.24	1.52	**1.76**	2.93	0.04	0.09	0.03	<0.02	0.1	0.14	0.33	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	22 Nov 2023	0908_MW179S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07	0.17	0.37	**0.54**	0.95	<0.02	<0.02	<0.02	<0.02	<0.1	0.09	0.23	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	18 Apr 2024	0908_MW179S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.20	3.61	1.65	**5.26**	6.34	0.06	0.11	0.14	<0.02	<0.1	0.12	0.36	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	02 Mar 2017	MW184D_170302	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	**1.16**	41	9.78	**50.78**	58.8	1.57	1.11	1.61	<0.02	0.2	0.44	1.72	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	02 Mar 2017	MW184D_170302	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-	-	-	**50.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.52	30.2	3.97	**34.17**	37.8	0.38	0.48	0.69	<0.02	0.2	0.18	1.09	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-	-	-	**34.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184D	27 May 2020	0908_MW184D_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.52	21.8	5.36	**27.2**	31.1	0.45	0.57	0.72	<0.02	0.1	0.16	1.24	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	13 May 2021	0908_MW184D_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.14	5.36	1.7	**7.06**	8.26	0.14	0.17	0.18	<0.02	<0.1	0.07	0.43	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	13 May 2021	0908_QC200_210513	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.13	4.2	1.3	**5.5**	-	0.11	0.12	0.11	<0.01	0.059	0.058	0.3	0.052	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW184D	17 May 2022	0908_MW184D_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.16	5.22	1.46	**6.68**	7.77	0.11	0.16	0.14	<0.02	<0.1	0.06	0.38	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	17 May 2023	0908_MW184D_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.15	4.43	1.6	**6.03**	7.03	0.10	0.14	0.16	<0.02	<0.1	0.06	0.34	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	24 Apr 2024	0908_MW184D_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.18	5.87	1.56	**7.43**	8.66	0.12	0.16	0.16	<0.02	<0.1	0.06	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	02 Mar 2017	MW184S_170302	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	**0.8**	23.4	10.4	**33.8**	40.9	1.16	0.96	1.07	<0.02	0.3	0.65	1.84	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.29	20.1	2.62	**22.7**	24.8	0.17	0.23	0.33	<0.02	0.1	0.15	0.72	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-	-	-	**22.72**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184S	27 May 2020	0908_MW184S_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.04	5.52	0.52	**6.04**	6.29	0.04	0.05	0.06	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	13 May 2021	0908_MW184S_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.05	2.68	1.27	**3.95**	4.39	0.08	0.10	0.09	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	13 May 2021	0908_QC100_210513	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.05	2.63	1.25	**3.88**	4.32	0.08	0.10	0.09	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	17 May 2022	0908_MW184S_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.03	2.8	1.19	**3.99**	4.34	0.08	0.10	0.06	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	17 May 2023	0908_MW184S_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.08	8.82	1.1	**9.92**	10.4	0.06	0.07	0.11	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	24 Apr 2024	0908_MW184S_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.01	1.82	0.34	**2.16**	2.26	0.03	0.03	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																													
MW188D	19 Dec 2016	MW188D_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.07	*0.72*	0.52	**1.24**	1.61	0.08	0.05	0.03	<0.02	<0.1	0.02	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	03 Feb 2017	MW188D_GW_03022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.14	*0.91*	1.31	**2.22**	3.28	0.22	0.23	0.09	<0.01	<0.1	0.06	0.27	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.02
MW188D	27 Mar 2018	MW188D_GW_27032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.08	*0.66*	0.73	**1.39**	2.08	0.15	0.1	0.06	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	20 Nov 2018	0908_MW188D_181120	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.07	*0.38*	0.41	**0.79**	1.25	0.09	0.06	0.03	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	22 May 2019	0908_MW188D_190522	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.08	*0.55*	0.72	**1.27**	1.87	0.12	0.1	0.05	<0.02	<0.1	0.03	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	13 May 2020	0908_MW188D_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.25	*5.41*	3.11	**8.52**	11.2	0.58	0.52	0.34	<0.02	<0.1	0.12	0.70	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	12 May 2021	0908_MW188D_210512	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.05	*0.99*	0.71	**1.7**	2.14	0.11	0.08	0.08	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	18 Apr 2024	0908_MW188D_240418	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.19	*3.41*	1.88	**5.29**	7.03	0.27	0.23	0.22	<0.02	<0.1	0.09	0.50	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	22 Jan 2016	MW188_22012016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.09	*0.49*	<0.02	**0.49**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW188S	22 Jan 2016	QC111_WG_22012016	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.08	*0.5*	<0.02	**0.5**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW188S	19 Dec 2016	MW188S_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.02	*0.91*	0.24	**1.15**	1.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	03 Feb 2017	MW188S_GW_03022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.04	*0.66*	0.16	**0.82**	0.9	0.01	<0.01	0.01	<0.01	<0.1	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.02
MW188S	27 Mar 2018	MW188S_GW_27032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.02	*0.34*	0.05	**0.39**	0.41	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	20 Nov 2018	0908_MW188S_181120	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01	*0.68*	0.17	**0.85**	0.85	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	21 May 2019	0908_MW188S_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01	*0.19*	0.04	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	13 May 2020	0908_MW188S_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.08	*3.14*	0.66	**3.8**	4.40	0.10	0.09	0.07	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	12 May 2021	0908_MW188S_210512	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.09	*2.93*	0.82	**3.75**	4.50	0.12	0.09	0.09	<0.02	<0.1	0.07	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	31 May 2022	0908_MW188S_220531	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	11 May 2023	0908_MW188S_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	16 Apr 2024	0908_MW188S_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.01	*0.14*	0.11	**0.25**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Jan 2016	MW195_27012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW195	09 Feb 2017	MW195_GW_09022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.07	0.07	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Mar 2018	MW195_GW_27032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.17*	0.16	**0.33**	0.46	0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Nov 2018	0908_MW195_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01	*0.06*	0.22	**0.28**	0.39	0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 May 2019	0908_MW195_190527	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01	*0.05*	0.18	**0.23**	0.29	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	13 May 2020	0908_MW195_200513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.08*	0.22	**0.3**	0.42	0.03	<0.02	<0.02	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	12 May 2021	0908_MW195_210512	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.05*	0.07	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	16 May 2022	0908_MW195_220516	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01	*0.05*	0.09	**0.14**	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	09 May 2023	0908_MW195_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.01	*0.1*	0.1	**0.2**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	16 Apr 2024	0908_MW195_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.07*	0.11	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	13 Jan 2016	MW196_13012016	Normal	NSW_0908_PFAS	On-base	-	**0.68**	*35.6*	11.9	**47.5**	-	0.18	-	-	<0.02	-	-	0.88	0.22	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW196	05 Sep 2016	MW196_050916	Normal	NSW_0908_PFAS	On-base	-	0.17	*18*	1.8	**19.8**	-	0.04	-	-	<0.01	<0.05	0.04	0.22	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW196	15 Sep 2016	MW196_150916	Normal	NSW_0908_PFAS	On-base	-	0.19	*15*	1.3	**16.3**	-	0.035	0.052	0.15	<0.01	<0.5	0.03	0.17	0.037	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW196	18 Jan 2017	MW196_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.42	*22.3*	2.67	**24.97**	26.6	0.12	0.17	0.29	<0.02	<0.1	0.1	0.39	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	18 Jan 2017	MW196_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	20 Apr 2018	MW196_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.24	*19*	2.35	**21.4**	22.4	0.04	0.08	0.19	<0.02	<0.1	0.08	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	20 Apr 2018	MW196_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**21.35**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	30 Nov 2018	0908_MW196_181130	Normal	NSW_0908_PFAS	On-base	-	0.05	*6.94*	1.03	**7.97**	8.24	<0.02	0.02	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	29 May 2019	0908_MW196_190529	Normal	NSW_0908_PFAS	On-base	-	0.22	*13.7*	2.54	**16.2**	17.1	0.04	0.08	0.15	<0.02	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	29 May 2019	0908_MW196_190529	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**16.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	06 Nov 2019	0908_MW196_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.32	*13.6*	3.04	**16.6**	17.8	0.04	0.08	0.22	<0.02	<0.1	0.08	0.39	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	22 May 2020	0908_MW196_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.35	*17.2*	3.3	**20.5**	21.9	0.04	0.09	0.25	<0.02	<0.1	0.10	0.50	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_MW196_201126	Normal	NSW_0908_PFASOMP	On-base	-	0.13	*9.81*	1.7	**11.5**	12.2	0.02	0.06	0.11	<0.02	<0.1	0.05	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_QC105_201126	Field_D	NSW_0908_PFASOMP	On-base	-	0.07	*2.46*	1.43	**3.89**	4.47	0.06	0.13	0.10	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_QC205_201126	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.049	*1.7*	1.4	**3.1**	-	0.048	0.083	0.053	<0.01	<0.05	0.035	0.11	0.013	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW196	19 May 2021	0908_MW196_210519	Normal	NSW_0908_PFASOMP	On-base	-	0.19	*19.8*	1.77	**21.6**	22.3	0.02	0.05	0.16	<0.02	<0.1	0.04	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	10 Nov 2021	0908_MW196_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.21	*23.1*	1.53	**24.6**	25.6	0.02	0.04	0.15	<0.02	<0.1	0.07	0.38	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	30 May 2022	0908_MW196_220530	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*7.36*	0.4	**7.76**	8.02	<0.02	<0.02	0.06	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	09 Nov 2022	0908_MW196_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*3.83*	0.25	**4.08**	4.23	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	10 May 2023	0908_MW196_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.10	*13.9*	0.56	**14.5**	14.8	<0.02	<0.02	0.07	<0.02	<0.1	0.03	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	22 Nov 2023	0908_MW196_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.10	*9*	0.52	**9.52**	9.90	<0.02	<0.02	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	17 Apr 2024	0908_MW196_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.11	*10.9*	0.7	**11.6**	12.1	<0.02	0.03	0.10	<0.02	<0.1	0.04	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	13 Jan 2016	MW198_13012016	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.71*	-	**0.71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW198	05 Sep 2016	MW198_050916	Normal	NSW_0908_PFAS	On-base	-	0.02	*1.9*	0.96	**2.86**	-	0.04	-	-	<0.01	<0.05	0.03	0.11	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW198	20 Oct 2016	MW198_201016	Normal	NSW_0908_PFAS	On-base	-	0.03	*1.7*	0.82	**2.52**	-	0.04	-	-	<0.01	<0.05	0.02	0.1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	<0.05	-	-
MW198	16 Jan 2017	MW198_GW_16012017	Normal	NSW_0908_PFAS	On-base	-	0.21	*4.36*	2.63	**6.99**	8.46	0.12	0.23	0.24	<0.02	<0.1	0.13	0.42	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	16 Jan 2017	QC714_GW_16012017	Field_D	NSW_0908_PFAS	On-base	-	0.21	*4.31*	2.64	**6.95**	8.47	0.13	0.28	0.24	<0.02	<0.1	0.13	0.41	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	18 Jan 2017	MW198_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.12	*3.3*	1.9	**5.2**	-	0.09	-	-	<0.01	0.06	0.06	0.33	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW198	05 May 2017	MW198_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.09	*2.8*	3.1	**5.9**	-	0.16	0.32	0.2	<0.01	0.06	0.08	0.35	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.07	<0.01	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
MW198	20 Apr 2018	MW198_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	**0.59**	*18.3*	6.15	**24.4**	26.8	0.15	0.27	0.5	<0.02	<0.1	0.14	0.62	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	20 Apr 2018	MW198_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**24.45**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	30 Nov 2018	0908_MW198_181130	Normal	NSW_0908_PFAS	On-base	-	0.12	*18.2*	3.56	**21.8**	23.2	0.14	0.23	0.17	<0.02	<0.1	0.13	0.61	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 Nov 2018	0908_MW198_181130	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**21.76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	29 May 2019	0908_MW198_190529	Normal	NSW_0908_PFAS	On-base	-	0.32	*13.6*	2.91	**16.5**	17.8	0.08	0.16	0.34	<0.02	<0.1	0.06	0.27	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW198	29 May 2019	0908_MW198_190529	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**16.51**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	06 Nov 2019	0908_MW198_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.23	*6.29*	3.39	**9.68**	11.2	0.15	0.28	0.30	<0.02	<0.1	0.10	0.39	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	22 May 2020	0908_MW198_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.10	*6.2*	1.86	**8.06**	8.84	0.08	0.14	0.15	<0.02	<0.1	0.08	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	26 Nov 2020	0908_MW198_201126	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*2.16*	1.42	**3.58**	4.10	0.05	0.12	0.08	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	19 May 2021	0908_MW198_210519	Normal	NSW_0908_PFASOMP	On-base	-	0.11	*3.26*	2.67	**5.93**	7.26	0.14	0.28	0.14	<0.02	0.1	0.11	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	10 Nov 2021	0908_MW198_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.16	*6.07*	5.53	**11.6**	13.4	0.22	0.45	0.22	<0.02	<0.1	0.10	0.61	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 May 2022	0908_MW198_220530	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*3.42*	3.46	**6.88**	7.88	0.08	0.27	0.16	<0.02	<0.1	0.06	0.30	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 May 2022	0908_QC117_220530	Field_D	NSW_0908_PFASOMP	On-base	-	0.14	*4.44*	4.6	**9.04**	10.4	0.10	0.36	0.21	<0.02	<0.1	0.07	0.42	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	09 Nov 2022	0908_MW198_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*4.39*	2.64	**7.03**	7.55	0.04	0.15	0.11	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	10 May 2023	0908_MW198_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.04	*3.3*	1.84	**5.14**	5.33	<0.02	0.07	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	22 Nov 2023	0908_MW198_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.14	*7.35*	0.6	**7.95**	8.35	<0.02	0.04	0.08	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	18 Apr 2024	0908_MW198_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10	*3.32*	1.58	**4.9**	5.56	0.06	0.11	0.12	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	14 Jan 2016	MW200_14012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.14*	-	**0.14**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW200	05 Sep 2016	MW200_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.27*	0.15	**0.42**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW200	21 Oct 2016	MW200_211016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.19*	0.07	**0.26**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW200	18 Jan 2017	MW200_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.27*	0.09	**0.36**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW200	18 Jan 2017	MW200_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.33*	0.24	**0.57**	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	18 Jan 2017	QC715_GW_18012017	Field_D	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.45	**0.45**	0.66	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	05 May 2017	MW200_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.01	*0.39*	0.2	**0.59**	-	0.01	0.02	<0.01	<0.01	<0.05	0.02	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	0.12	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW200	29 May 2019	0908_MW200_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.26*	0.04	**0.3**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	22 May 2020	0908_MW200_200522	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.27*	0.04	**0.31**	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	19 May 2021	0908_MW200_210519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.2*	<0.02	**0.2**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	30 May 2022	0908_MW200_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.4*	0.06	**0.46**	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	10 May 2023	0908_MW200_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.23*	0.04	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	17 Apr 2024	0908_MW200_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.27*	0.2	**0.47**	0.51	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	21 Jan 2016	MW201D_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW201D	05 Sep 2016	MW201D_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.16	**0.16**	-	0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW201D	21 Oct 2016	MW201D_211016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	0.07	**0.09**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201D	18 Jan 2017	MW201D_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.06*	0.08	**0.14**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201D	18 Jan 2017	MW201D_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.1	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	05 May 2017	MW201D_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.02*	0.06	**0.08**	-	0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW201D	29 May 2019	0908_MW201D_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.11*	0.45	**0.56**	0.66	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	22 May 2020	0908_MW201D_200522	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.08*	0.38	**0.46**	0.55	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	30 May 2022	0908_MW201D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	10 May 2023	0908_MW201D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	17 Apr 2024	0908_MW201D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.05	*5.34*	0.58	**5.92**	6.23	0.02	0.04	0.11	<0.02	<0.1	0.03	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	21 Jan 2016	MW201S_21012016	Normal	NSW_0908_PFAS	On-base	-	0.02	*4.12*	-	**4.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW201S	05 Sep 2016	MW201S_050916	Normal	NSW_0908_PFAS	On-base	-	0.02	*3*	0.21	**3.21**	-	0.02	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW201S	15 Sep 2016	MW201S_150916	Normal	NSW_0908_PFAS	On-base	-	0.058	*5.5*	0.49	**5.99**	-	0.045	0.049	0.11	<0.01	<0.5	0.028	0.14	0.017	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW201S	21 Oct 2016	MW201S_211016	Normal	NSW_0908_PFAS	On-base	-	0.07	*4.3*	1.5	**5.8**	-	0.07	-	-	<0.01	<0.05	0.04	0.25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201S	18 Jan 2017	MW201S_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.1	*8.7*	1.5	**10.2**	-	0.12	-	-	<0.01	0.06	0.06	0.4	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.16	*14.8*	2.58	**17.38**	18.7	0.16	0.16	0.22	<0.02	<0.1	0.13	0.42	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**17.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW201S	05 May 2017	MW201S_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.1	*6.6*	1	**7.6**	-	0.05	0.08	0.18	<0.01	<0.05	0.05	0.18	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW201S	29 May 2019	0908_MW201S_190529	Normal	NSW_0908_PFAS	On-base	-	0.12	*4*	1.96	**5.96**	6.82	0.09	0.15	0.12	<0.02	<0.1	0.08	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	22 May 2020	0908_MW201S_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.35	*17.4*	7.46	**24.9**	27.4	0.15	0.28	0.34	<0.02	0.1	0.24	0.93	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	19 May 2021	0908_MW201S_210519	Normal	NSW_0908_PFASOMP	On-base	-	0.03	*1.49*	0.46	**1.95**	2.15	0.03	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	30 May 2022	0908_MW201S_220530	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*1.76*	0.82	**2.58**	2.71	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	10 May 2023	0908_MW201S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.03	*1.08*	0.48	**1.56**	1.68	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	17 Apr 2024	0908_MW201S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	*0.96*	0.28	**1.24**	1.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	20 Jan 2016	MW202D_20012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW202D	31 Aug 2016	MW202D_310816	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.04	0.04	-	0.02	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW202D	18 Oct 2016	MW202D_181016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.01*	0.03	0.04	-	<0.01	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202D	18 Jan 2017	MW202D_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.03*	0.03	0.06	-	0.01	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202D	18 Jan 2017	MW202D_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	05 May 2017	MW202D_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.04*	0.08	**0.12**	-	0.02	0.02	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW202D	04 Apr 2018	MW202D_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.07*	0.07	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	04 Apr 2018	QC102_GW_04042018	Field_D	NSW_0908_PFAS	On-base	-	<0.01	*0.08*	0.05	**0.13**	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	04 Apr 2018	QC102_GW_04042018	Interlab_D	NSW_0908_PFAS	On-base	-	<0.01	*0.06*	0.044	**0.104**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	NSW_0908_PFAS	On-base	-	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW202D	30 May 2019	0908_MW202D_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	30 May 2019	0908_MW202D_190530	Normal	NSW_0908_PFAS	On-base	-	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW202D	08 Nov 2019	0908_MW202D_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*0.05*	0.8	**0.85**	1.28	0.09	0.10	<0.02	<0.02	<0.1	0.04	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW202D	29 May 2020	0908_MW202D_200529	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.07*	0.11	**0.18**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	17 Nov 2020	0908_MW202_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.01	*0.18*	0.48	**0.66**	0.94	0.05	0.06	0.02	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	17 May 2021	0908_MW202D_210517	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	10 Nov 2021	0908_MW202D_211110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	19 May 2022	0908_MW202D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.12*	0.1	**0.22**	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	19 May 2022	0908_QC212_220519	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	*0.11*	0.05	**0.16**	0.16	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW202D	10 Nov 2022	0908_MW202D_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.14*	0.09	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	10 May 2023	0908_MW202D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02	*0.52*	0.41	**0.93**	1.14	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	22 Nov 2023	0908_MW202D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.13*	0.07	**0.2**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	18 Apr 2024	0908_MW202D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	*0.22*	0.33	**0.55**	0.70	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	20 Jan 2016	MW202S_20012016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.28*	-	**0.28**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW202S	31 Aug 2016	MW202S_310816	Normal	NSW_0908_PFAS	On-base	-	0.02	*1*	0.43	**1.43**	-	0.01	-	-	<0.01	<0.05	0.02	0.12	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW202S	15 Sep 2016	MW202S_150916	Normal	NSW_0908_PFAS	On-base	-	0.03	*0.82*	0.37	**1.19**	-	0.019	0.033	0.032	<0.01	<0.5	0.025	0.073	0.011	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW202S	18 Oct 2016	MW202S_181016	Normal	NSW_0908_PFAS	On-base	-	0.03	*1.9*	0.55	**2.45**	-	0.02	-	-	<0.01	<0.05	0.02	0.11	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	18 Jan 2017	MW202S_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.03	*1.3*	0.37	**1.67**	-	0.01	-	-	<0.01	<0.05	0.02	0.07	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	18 Jan 2017	MW202S_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.45*	0.23	**0.68**	0.76	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	18 Jan 2017	QC113_180117	Field_D	ACTNSW_Hist_202012-3	On-base	-	0.03	*0.76*	0.2	**0.96**	-	<0.01	-	-	<0.01	<0.05	0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	MW202S_150217	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02	*0.53*	0.13	**0.66**	-	<0.01	-	-	<0.01	<0.05	0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	MW202S_150217	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.53*	0.13	**0.66**	-	<0.01	-	-	<0.01	<0.05	0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	QC118_150217	Field_D	ACTNSW_Hist_202012-3	On-base	-	0.02	*0.6*	0.09	**0.69**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	05 May 2017	MW202S_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02	*0.69*	0.35	**1.04**	-	0.02	0.03	0.02	<0.01	<0.05	0.02	0.06	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW202S	04 Apr 2018	MW202S_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.15*	0.05	**0.2**	0.3	<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	22 Nov 2018	0908_MW202S_181122	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.8*	0.16	**0.96**	0.96	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	30 May 2019	0908_MW202S_190530	Normal	NSW_0908_PFAS	On-base	-	0.01	*1.38*	0.08	**1.46**	1.47	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	08 Nov 2019	0908_MW202S_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.01	*0.81*	0.14	**0.95**	0.96	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	24 May 2021	0908_MW202S_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.61*	0.3	**0.91**	0.94	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 Nov 2021	0908_MW202S_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*0.34*	0.11	**0.45**	0.55	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	19 May 2022	0908_MW202S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.01	*0.65*	0.41	**1.06**	1.17	<0.02	0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	19 May 2022	0908_QC112_220519	Field_D	NSW_0908_PFASOMP	On-base	-	0.01	*0.71*	0.41	**1.12**	1.22	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 Nov 2022	0908_MW202S_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.02	*0.44*	0.34	**0.78**	0.85	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 May 2023	0908_MW202S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.2*	0.1	**0.3**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	22 Nov 2023	0908_MW202S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02	*0.25*	0.34	**0.59**	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	18 Apr 2024	0908_MW202S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	*0.6*	0.27	**0.87**	0.93	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	27 Jan 2016	MW208_27012016	Normal	NSW_0908_PFAS	On-base	-	0.1	*13.2*	-	**13.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW208	27 Jan 2016	QC114_WG_27012016	Interlab_D	NSW_0908_PFAS	On-base	-	0.082	*12*	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW208	26 Aug 2016	MW208_260816	Normal	NSW_0908_PFAS	On-base	-	0.23	*13*	2.8	**15.8**	-	0.16	-	-	<0.01	0.1	0.22	2.2	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW208	18 Oct 2016	MW208_181016	Normal	NSW_0908_PFAS	On-base	-	0.2	*12*	11	**23**	-	0.1	-	-	<0.01	0.06	0.12	0.97	0.62	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	18 Oct 2016	QC103_181016	Field_D	NSW_0908_PFAS	On-base	-	0.17	*10*	9.4	**19.4**	-	0.1	-	-	<0.01	<0.05	0.11	0.79	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	17 Jan 2017	MW208_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.35	*13*	4.1	**17.1**	-	0.05	-	-	<0.01	0.07	0.06	0.44	0.08	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	17 Jan 2017	MW208_170117	Normal	NSW_0908_PFAS	On-base	-	0.35	*13*	4.1	**17.1**	-	0.05	-	-	<0.01	0.07	0.06	0.44	0.08	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	19 Jan 2017	MW208_GW_170119	Normal	NSW_0908_PFAS	On-base	-	0.32	*8.8*	7.72	**16.5**	18.1	0.13	0.16	0.28	<0.02	<0.1	0.1	0.53	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	19 Jan 2017	MW208_GW_170119	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**16.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW208	09 May 2017	MW208_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	**0.92**	*17*	5.7	**22.7**	-	0.11	0.18	0.34	<0.01	0.22	0.3	0.84	0.34	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05
MW208	28 May 2019	0908_MW208_190528	Normal	NSW_0908_PFAS	On-base	-	0.12	*8.37*	1.94	**10.3**	11	0.02	0.04	0.21	<0.02	<0.1	0.05	0.19	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	28 May 2019	0908_MW208_190528	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**10.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW208	17 Oct 2019	0908_MW208_191017	Normal	NSW_0908_PFASMGMT	On-base	-	0.10	*6.98*	1.13	**8.11**	8.72	0.04	0.07	0.13	<0.02	<0.1	0.07	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	06 Nov 2019	0908_MW208_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*6.86*	1.3	**8.16**	8.85	0.04	0.05	0.12	<0.02	<0.1	0.09	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	12 May 2020	0908_MW208_200512	Normal	NSW_0908_PFASOMP	On-base	-	0.10	*7.06*	1.17	**8.23**	8.75	0.03	0.04	0.21	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	17 Nov 2020	0908_MW208_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.54	*21.7*	5.67	**27.4**	31.2	0.14	0.42	1.16	<0.02	0.1	0.26	1.00	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	14 May 2021	0908_MW208_210514	Normal	NSW_0908_PFASOMP	On-base	-	0.18	*9.62*	2.8	**12.4**	16.0	0.67	0.70	0.19	<0.02	0.1	0.38	1.22	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 Nov 2021	0908_MW208_211108	Normal	NSW_0908_PFASOMP	On-base	-	0.27	*11.7*	4.05	**15.8**	20.5	0.24	0.35	0.15	<0.02	0.2	0.30	1.80	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	1.29	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	24 May 2022	0908_MW208_220524	Normal	NSW_0908_PFASOMP	On-base	-	0.36	*24.1*	5.11	**29.2**	31.1	0.07	0.17	0.53	<0.02	0.1	0.09	0.43	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 Nov 2022	0908_MW208_221108	Normal	NSW_0908_PFASOMP	On-base	-	0.39	*8.3*	5.31	**13.6**	15.8	0.14	0.15	0.60	<0.02	0.1	0.14	0.56	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 May 2023	0908_MW208_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.26	*11*	2.87	**13.9**	15.9	0.08	0.15	0.61	<0.02	<0.1	0.16	0.58	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	23 Nov 2023	0908_MW208_231123	Normal	NSW_0908_PFASOMP_23	On-base	-	0.18	*9.08*	2.01	**11.1**	12.4	0.06	0.06	0.23	<0.02	<0.1	0.15	0.33	0.09	0.16	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	17 Apr 2024	0908_MW208_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.24	*21.6*	4.8	**26.4**	28.0	0.07	0.12	0.42	<0.02	<0.1	0.17	0.32	0.09	0.16	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	18 Jan 2016	MW210D_18012016	Normal	NSW_0908_PFAS	On-base	-	0.02	<0.01	0.5	**0.5**	-	0.67	-	-	<0.02	-	-	0.66	0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW210D	26 Aug 2016	MW210D_260816	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	0.38	**0.4**	-	0.29	-	-	<0.01	<0.05	0.06	0.42	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW210D	17 Oct 2016	MW210D_171016	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	0.46	**0.48**	-	0.38	-	-	<0.01	0.06	0.08	0.41	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	13 Jan 2017	MW210D_GW_13012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.35	**0.35**	1.1	0.48	0.11	<0.02	<0.02	<0.1	0.09	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	13 Jan 2017	QC712_GW_13012017	Field_D	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.31	**0.31**	1.05	0.48	0.1	<0.02	<0.02	<0.1	0.1	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	16 Jan 2017	MW210D_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	<0.01	0.27	**0.27**	-	0.22	-	-	<0.01	<0.05	0.04	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	16 Jan 2017	MW210D_160117	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.27	**0.27**	-	0.22	-	-	<0.01	<0.05	0.04	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	08 May 2017	MW210D_080517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01	*0.02*	0.41	**0.43**	-	0.35	0.18	<0.01	<0.01	<0.05	0.07	0.31	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																													
MW210D	28 May 2019	0908_MW210D_190528	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.09*	0.34	**0.43**	1.28	0.28	0.19	<0.02	<0.02	<0.1	0.08	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	12 May 2020	0908_MW210D_200512	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.38	0.09	0.03	<0.02	<0.02	0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.02	<0.05
MW210D	14 May 2021	0908_MW210D_210514	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.05	0.05	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	24 May 2022	0908_MW210D_220524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	24 May 2022	0908_QC214_220524	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.07	0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW210D	08 May 2023	0908_MW210D_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	17 Apr 2024	0908_MW210D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	<0.01	0.02	0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	18 Jan 2016	MW210S_18012016	Normal	NSW_0908_PFAS	On-base	-	0.19	*10.5*	2.32	**12.82**	-	0.32	-	-	<0.02	-	-	0.71	0.12	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW210S	26 Aug 2016	MW210S_260816	Normal	NSW_0908_PFAS	On-base	-	0.1	*15*	1.4	**16.4**	-	0.15	-	-	<0.01	<0.05	0.04	0.55	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	<0.05	-	-
MW210S	17 Oct 2016	MW210S_171016	Normal	NSW_0908_PFAS	On-base	-	0.08	*19*	1.6	**20.6**	-	0.19	-	-	<0.01	<0.05	0.05	0.59	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	NSW_0908_PFAS	On-base	-	0.15	*15.6*	1.24	**16.8**	17.6	0.23	0.09	0.12	<0.02	<0.1	0.1	0.08	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**16.84**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	NSW_0908_PFAS	On-base	-	0.15	*15.2*	1.43	**16.6**	17.5	0.23	0.12	0.13	<0.02	<0.1	0.1	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**16.63**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW210S	16 Jan 2017	MW210S_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.09	*8.6*	1.6	**10.2**	-	0.18	-	-	<0.01	<0.05	0.04	0.37	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	16 Jan 2017	MW210S_160117	Normal	NSW_0908_PFAS	On-base	-	0.09	*8.6*	1.6	**10.2**	-	0.18	-	-	<0.01	<0.05	0.04	0.37	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	24 May 2022	0908_MW210S_220524	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*1.03*	1.78	**2.81**	4.26	0.15	0.17	0.07	<0.02	0.1	0.09	0.67	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	24 May 2022	0908_QC114_220524	Field_D	NSW_0908_PFASOMP	On-base	-	0.11	*1.15*	1.98	**3.13**	4.79	0.18	0.20	0.08	<0.02	0.1	0.13	0.73	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	08 May 2023	0908_MW210S_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.08	*8.59*	0.89	**9.48**	10.2	0.10	0.10	0.07	<0.02	<0.1	0.06	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	17 Apr 2024	0908_MW210S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.08	*14.8*	0.67	**15.5**	16.1	0.05	0.08	0.09	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 Mar 2017	MW230S_GW_150317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 Mar 2017	QC704_150317	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	03 Jun 2019	0908_MW230S_190603	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	14 Nov 2019	0908_MW230S_191114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	27 Nov 2020	0908_MW230_S_201127	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	16 May 2022	0908_MW230S_220516	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	14 Nov 2022	0908_MW230S_221114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 May 2023	0908_MW230S_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	27 Nov 2023	0908_MW230S_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	23 Apr 2024	0908_MW230S_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	19 Sep 2024	0908_MW230S_230919	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	02 Feb 2017	MW231D_GW_02022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.10	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW231D	18 Apr 2018	MW231D_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231D	06 Jun 2019	0908_MW231D_190606	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231D	27 May 2020	0908_MW231D_200527	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	12 Nov 2020	0908_MW231_D_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	12 Nov 2021	0908_MW231D_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	18 May 2022	0908_MW231D_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	14 Nov 2022	0908_MW231D_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	17 May 2023	0908_MW231D_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	28 Nov 2023	0908_MW231D_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	23 Apr 2024	0908_MW231D_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	20 Sep 2024	0908_MW231D_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	02 Feb 2017	MW231S_GW_02022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.1	<0.10	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW231S	18 Apr 2018	MW231S_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231S	06 Jun 2019	0908_MW231S_190606	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231S	27 May 2020	0908_MW231S_200527	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	12 Nov 2020	0908_MW231_S_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	12 Nov 2021	0908_MW231S_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	18 May 2022	0908_MW231S_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	14 Nov 2022	0908_MW231S_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	17 May 2023	0908_MW231S_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	28 Nov 2023	0908_MW231S_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	23 Apr 2024	0908_MW231S_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	20 Sep 2024	0908_MW231S_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	*0.02*	<0.01	0.02	0.99	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.88	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Feb 2017	MW232D_GW_10022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Feb 2017	QC727_GW_10022017	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Apr 2018	MW232D_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**										**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**						
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW232D	06 Dec 2018	0908_MW232D_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	29 May 2019	0908_MW232D_190529	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	08 Nov 2019	0908_MW232D_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	18 May 2020	0908_MW232D_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	25 Nov 2020	0908_MW232_D_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	12 May 2021	0908_MW232D_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 Nov 2021	0908_MW232D_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 Nov 2021	0908_QC202_211111	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW232D	18 May 2022	0908_MW232D_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	18 May 2022	0908_QC207_220518	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW232D	08 Nov 2022	0908_MW232D_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.18*	<0.01	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 May 2023	0908_MW232D_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	24 Nov 2023	0908_MW232D_231124	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	22 Apr 2024	0908_MW232D_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	20 Sep 2024	0908_MW232D_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	10 Feb 2017	MW232S_GW_10022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	10 Apr 2018	MW232S_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	06 Dec 2018	0908_MW232S_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	29 May 2019	0908_MW232S_190529	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_MW232S_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_QC104_191108	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_QC204_191108	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW232S	18 May 2020	0908_MW232S_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	25 Nov 2020	0908_MW232_S_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	12 May 2021	0908_MW232S_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	11 Nov 2021	0908_MW232S_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	18 May 2022	0908_MW232S_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	18 May 2022	0908_QC107_220518	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2022	0908_MW232S_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	11 May 2023	0908_MW232S_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	24 Nov 2023	0908_MW232S_231124	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	22 Apr 2024	0908_MW232S_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	20 Sep 2024	0908_MW232S_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	17 Feb 2017	MW238D_GW_17022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	28 Nov 2018	0908_MW238D_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	06 Jun 2019	0908_MW238D_190606	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	08 Nov 2019	0908_MW238D_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	27 May 2020	0908_MW238D_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	13 Nov 2020	0908_MW238_D_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	10 May 2021	0908_MW238D_210510	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	11 Nov 2021	0908_MW238D_211111	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	16 May 2022	0908_MW238D_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	14 Nov 2022	0908_MW238D_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	15 May 2023	0908_MW238D_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	27 Nov 2023	0908_MW238D_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	22 Apr 2024	0908_MW238D_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	19 Sep 2024	0908_MW238D_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	17 Feb 2017	MW238S_GW_17022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	28 Nov 2018	0908_MW238S_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	06 Jun 2019	0908_MW238S_190606	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	08 Nov 2019	0908_MW238S_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	27 May 2020	0908_MW238S_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	13 Nov 2020	0908_MW238_S_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	10 May 2021	0908_MW238S_210510	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	11 Nov 2021	0908_MW238S_211111	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	16 May 2022	0908_MW238S_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	14 Nov 2022	0908_MW238S_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	15 May 2023	0908_MW238S_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	27 Nov 2023	0908_MW238S_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	22 Apr 2024	0908_MW238S_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	19 Sep 2024	0908_MW238S_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	20 Mar 2017	MW240D_GW_200317	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	0.14	**0.16**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.18	**0.18**	0.3	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.19**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.18	**0.18**	0.31	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**0.19**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	19 Apr 2018	QC204_GW_19042018	Interlab_D	NSW_0908_PFAS	On-base	-	<0.01	<0.02	0.1	**0.12**	-	0.023	0.022	<0.01	<0.01	<0.05	<0.02	0.035	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	NSW_0908_PFAS	On-base	-	0.02	<0.01	0.28	**0.28**	0.48	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**0.29**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	23 Jan 2019	0908_MW240D_190123	Normal	NSW_0908_PFASMGMT	On-base	-	0.03	<0.01	0.45	**0.45**	0.74	0.08	0.07	<0.02	<0.02	<0.1	<0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	31 May 2019	0908_MW240D_190531	Normal	NSW_0908_PFAS	On-base	-	0.06	*0.02*	0.51	**0.53**	0.78	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.07	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	23 Oct 2019	0908_MW240D_191023	Normal	NSW_0908_PFASMGMT	On-base	-	0.09	*0.09*	0.55	**0.64**	0.99	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	06 Nov 2019	0908_MW240D_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.07	*0.02*	0.49	**0.51**	0.71	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	15 May 2020	0908_MW240D_200515	Normal	NSW_0908_PFASOMP	On-base	-	0.07	*0.05*	0.51	**0.56**	0.78	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	16 Nov 2020	0908_MW240_D_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.04	*0.04*	0.34	**0.38**	0.54	0.03	0.04	<0.02	<0.02	<0.10	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	26 May 2022	0908_MW240D_220526	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*0.04*	0.4	**0.44**	0.60	0.02	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	26 May 2022	0908_QC215_220526	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.05	*0.03*	0.32	**0.35**	0.50	0.02	0.03	0.01	<0.02	<0.02	<0.02	0.03	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW240D	10 Nov 2022	0908_MW240D_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	10 Nov 2022	0908_QC101_221110	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	10 Nov 2022	0908_QC201_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.07	0.07	0.07	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW240D	10 May 2023	0908_MW240D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	22 Nov 2023	0908_MW240D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	17 Apr 2024	0908_MW240D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	<0.01	0.1	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	25 Sep 2024	0908_MW240D_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	<0.01	0.15	**0.15**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	08 Feb 2017	MW241D_GW_08022017	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	27 Apr 2018	MW241D_GW_27042018	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	27 Nov 2018	0908_MW241D_181127	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_MW241D_190524	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_QC102_190524	Field_D	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_QC202_190524	Interlab_D	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	19 Nov 2019	0908_MW241D_191119	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_MW241D_200520	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.34	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_QC109_200520	Field_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.24	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_QC209_200520	Interlab_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.20	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	26 Nov 2020	0908_MW241_D_201126	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_MW241D_210520	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_QC105_210520	Field_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_QC205_210520	Interlab_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	0.026	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.084	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	15 Nov 2021	0908_MW241D_211115	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2022	0908_MW241D_220524	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	10 Nov 2022	0908_MW241D_221110	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	12 May 2023	0908_MW241D_230512	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Nov 2023	0908_MW241D_231123	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	31 Jul 2024	0908_MW241D_240731	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_MW241D_240923	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_QC106_240923	Field_D	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_QC206_240923	Interlab_D	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW241S	08 Feb 2017	MW241S_GW_08022017	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	27 Apr 2018	MW241S_GW_27042018	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	27 Nov 2018	0908_MW241S_181127	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	26 Nov 2020	0908_MW241_S_201126	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	20 May 2021	0908_MW241S_210520	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	15 Nov 2021	0908_MW241S_211115	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	24 May 2022	0908_MW241S_220524	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_MW241S_221110	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_QC115_221110	Field_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_QC215_221110	Interlab_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW241S	12 May 2023	0908_MW241S_230512	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	23 Nov 2023	0908_MW241S_231123	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	31 Jul 2024	0908_MW241S_240731	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	23 Sep 2024	0908_MW241S_240923	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	07 Mar 2017	MW245D_GW_070317	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	07 Mar 2017	QC703_GW_070317	Field_D	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	29 May 2019	0908_MW245D_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	15 May 2020	0908_MW245D_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_MW245D_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_QC107_210524	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_QC207_210524	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW245D	30 May 2022	0908_MW245D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	10 May 2023	0908_MW245D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	17 Apr 2024	0908_MW245D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	07 Mar 2017	MW245S_GW_070317	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	30 May 2022	0908_MW245S_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	10 May 2023	0908_MW245S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	17 Apr 2024	0908_MW245S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	01 Feb 2017	MW247D_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	01 Feb 2017	QC722_GW_01022017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	28 Feb 2017	MW247D_GW_280217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	MW247D_GW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	QC103_GW_12042018	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	QC203_GW_1204218	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW247D	30 Nov 2018	0908_MW247D_181130	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	31 May 2019	0908_MW247D_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	06 Nov 2019	0908_MW247D_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.03*	<0.02	0.03	0.05	<0.02	<0.02	<0.02	0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	15 May 2020	0908_MW247D_200515	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	24 Nov 2020	0908_MW247_D_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	18 May 2021	0908_MW247D_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Nov 2021	0908_MW247D_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.05*	0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Nov 2021	0908_QC106_211112	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.05*	0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	18 May 2022	0908_MW247D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	08 Nov 2022	0908_MW247D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.07*	0.03	**0.1**	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	08 May 2023	0908_MW247D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.07*	0.04	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	24 Nov 2023	0908_MW247D_231124	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.07*	0.04	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	22 Apr 2024	0908_MW247D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_MW247D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_QC107_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_QC207_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.04	**0.1**	0.10	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW247S	01 Feb 2017	MW247S_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	*0.21*	0.76	**0.97**	1.43	<0.02	0.09	<0.02	<0.02	<0.1	<0.02	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	01 Feb 2017	QC821_GW_01022017	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.037	*0.19*	1.1	**1.29**	-	0.057	-	-	<0.02	<0.05	0.042	0.14	0.029	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
MW247S	28 Feb 2017	MW247S_GW_280217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.09	*0.27*	1.21	**1.48**	2.1	0.09	0.09	0.06	<0.02	<0.1	0.06	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	12 Apr 2018	MW247S_GW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.06	*1.24*	0.5	**1.74**	2.12	<0.02	0.03	0.06	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	0.06	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	30 Nov 2018	0908_MW247S_181130	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.48*	0.61	**1.09**	1.48	0.06	0.07	0.02	<0.02	<0.1	0.04	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	31 May 2019	0908_MW247S_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*1.88*	0.29	**2.17**	2.29	<0.02	0.02	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	06 Nov 2019	0908_MW247S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*1.35*	0.44	**1.79**	2.04	0.04	0.02	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	15 May 2020	0908_MW247S_200515	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*1.93*	0.38	**2.31**	2.46	<0.02	<0.02	0.02	<0.02	<0.1	0.05	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	24 Nov 2020	0908_MW247_S_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.93*	0.1	**1.03**	1.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	18 May 2021	0908_MW247S_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.55*	1.75	**2.3**	3.01	0.09	0.22	<0.02	<0.02	<0.1	0.03	0.27	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	12 Nov 2021	0908_MW247S_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04	*0.96*	1.09	**2.05**	2.50	0.07	0.09	0.03	<0.02	<0.1	0.03	0.15	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	18 May 2022	0908_MW247S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.33*	0.7	**1.03**	1.33	0.04	0.05	0.02	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	08 Nov 2022	0908_MW247S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.46*	0.86	**1.32**	1.61	0.05	0.05	0.02	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	08 May 2023	0908_MW247S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02	*0.24*	0.54	**0.78**	1.02	0.03	0.04	0.02	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	24 Nov 2023	0908_MW247S_231124	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.23*	0.08	**0.31**	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	22 Apr 2024	0908_MW247S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.01	*0.79*	0.3	**1.09**	1.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	23 Sep 2024	0908_MW247S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.11	**0.17**	0.23	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	20 Feb 2017	MW252S_GW_200217	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.06	*3.69*	1.07	**4.76**	5.16	0.06	0.08	0.08	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	27 Apr 2018	MW252S_GW_27042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.03	*3.87*	0.78	**4.65**	4.95	0.05	0.07	0.05	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	30 May 2019	0908_MW252S_190530	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.02	*2.67*	0.94	**3.61**	3.88	0.06	0.08	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	30 May 2019	0908_QC104_160530	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.02	*2.7*	0.97	**3.67**	3.94	0.06	0.08	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	30 May 2019	0908_QC204_190530	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.019	*3.2*	0.94	**4.14**	-	0.057	0.062	0.031	<0.01	<0.05	<0.02	0.054	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW252S	19 May 2020	0908_MW252S_200519	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	0.01	*1.65*	0.69	**2.34**	2.54	0.05	0.06	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	11 May 2023	0908_MW252S_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	0.02	*0.93*	0.39	**1.32**	1.39	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_MW252S_240424	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	<0.01	*0.6*	0.41	**1.01**	1.08	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_QC115_240424	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	0.01	*0.63*	0.47	**1.1**	1.19	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_QC215_240424	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	0.01	*0.59*	0.45	**1**	1.2	0.02	0.03	0.02	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255D	01 Mar 2017	MW255D_GW_010317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW255D	29 Mar 2018	MW255D_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	20 Nov 2018	0908_MW255D_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	23 May 2019	0908_MW255D_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	19 May 2020	0908_MW255D_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	13 May 2021	0908_MW255D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	18 May 2022	0908_MW255D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	18 May 2022	0908_QC106_220518	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS: Perfluorooctanoic acid (PFOA)	PFAS: Perfluorooctane sulfonic acid (PFOS)	PFAS: Perfluorohexane sulfonic acid (PFHxS)	PFAS: Sum of PFHxS and PFOS	PFAS: Sum of PFAS	PFAS - Perfluoroalkyl Sulfonic Acids: Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	PFAS - Perfluoroalkyl Carboxylic Acids: Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	PFAS - (n:2) Fluorotelomer Sulfonic Acids: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	PFAS - Perfluoroalkyl Sulfonamides: Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW255D	09 May 2023	0908_MW255D_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	09 May 2023	0908_QC109_230509	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	09 May 2023	0908_QC209_230509	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255D	16 Apr 2024	0908_MW255D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	16 Apr 2024	0908_QC106_240416	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	16 Apr 2024	0908_QC206_240416	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255S	01 Mar 2017	MW255S_GW_010317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	29 Mar 2018	MW255S_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	20 Nov 2018	0908_MW255S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	20 Nov 2018	0908_QC101_181120	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	20 Nov 2018	0908_QC200_181120	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.014	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW255S	23 May 2019	0908_MW255S_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	19 May 2020	0908_MW255S_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	13 May 2021	0908_MW255S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	18 May 2022	0908_MW255S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	18 May 2022	0908_QC206_220518	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255S	09 May 2023	0908_MW255S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	16 Apr 2024	0908_MW255S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	30 Jan 2017	MW256D_GW_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	29 Mar 2018	MW256D_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	04 Dec 2018	0908_MW256D_18124	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	21 May 2019	0908_MW256D_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	04 Nov 2019	0908_MW256D_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	18 May 2020	0908_MW256D_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	23 Nov 2020	0908_MW256_D_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	13 May 2021	0908_MW256D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	09 Nov 2021	0908_MW256D_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	17 May 2022	0908_MW256D_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	07 Nov 2022	0908_MW256D_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	08 May 2023	0908_MW256D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	08 May 2023	0908_QC101_230508	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	21 Nov 2023	0908_MW256D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_MW256D_240415	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_QC100_240415	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_QC200_240415	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	30 Jan 2017	MW256S_GW_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	29 Mar 2018	MW256S_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	20 Nov 2018	0908_MW256S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	23 May 2019	0908_MW256S_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	04 Nov 2019	0908_MW256S_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	18 May 2020	0908_MW256S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	23 Nov 2020	0908_MW256_S_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	13 May 2021	0908_MW256S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	09 Nov 2021	0908_MW256S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	17 May 2022	0908_MW256S_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_MW256S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_QC100_221107	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_QC200_221107	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	08 May 2023	0908_MW256S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	08 May 2023	0908_QC201_230508	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	21 Nov 2023	0908_MW256S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	16 Apr 2024	0908_MW256S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	31 Jan 2017	MW257D_GW_310117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	29 Mar 2018	MW257D_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	06 Dec 2018	0908_MW257D_18126	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	24 May 2019	0908_MW257D_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	04 Nov 2019	0908_MW257D_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	18 Nov 2020	0908_MW257_D_201118	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	13 May 2021	0908_MW257D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	09 Nov 2021	0908_MW257D_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	17 May 2022	0908_MW257D_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	07 Nov 2022	0908_MW257D_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02	<0.01	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	08 May 2023	0908_MW257D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_MW257D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS: Perfluorooctanoic acid (PFOA)	PFAS: Perfluorooctane sulfonic acid (PFOS)	PFAS: Perfluorohexane sulfonic acid (PFHxS)	PFAS: Sum of PFHxS and PFOS	PFAS: Sum of PFAS	PFAS - Perfluoroalkyl Sulfonic Acids: Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	PFAS - Perfluoroalkyl Carboxylic Acids: Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	PFAS - (n:2) Fluorotelomer Sulfonic Acids: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	PFAS - Perfluoroalkyl Sulfonamides: Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW257D	21 Nov 2023	0908_QC101_231121	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_QC201_231121	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW257D	16 Apr 2024	0908_MW257D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	31 Jan 2017	MW257S_GW_310117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	29 Mar 2018	MW257S_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	19 Nov 2018	0908_MW257S_181119	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	21 May 2019	0908_MW257S_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	04 Nov 2019	0908_MW257S_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	18 Nov 2020	0908_MW257_S_201118	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	13 May 2021	0908_MW257S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	09 Nov 2021	0908_MW257S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	17 May 2022	0908_MW257S_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	17 May 2022	0908_QC202_220517	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW257S	07 Nov 2022	0908_MW257S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	08 May 2023	0908_MW257S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	21 Nov 2023	0908_MW257S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	16 Apr 2024	0908_MW257S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	03 Nov 2024	0908_MW257S_241113	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Risk Zone C	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW260D	08 Feb 2017	MW260D_GW_080217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	06 Apr 2018	MW260D_GW_06042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW260D	19 Nov 2018	0908_MW260D_181119	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 May 2019	0908_MW260D_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.04	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 May 2019	0908_MW260D_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	-	-	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW260D	05 Nov 2019	0908_MW260D_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW260D	19 May 2020	0908_MW260D_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 Nov 2020	0908_MW260_D_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	14 May 2021	0908_MW260D_210514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	0.07	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	12 Nov 2021	0908_MW260D_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	18 May 2022	0908_MW260D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 Nov 2022	0908_MW260D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 May 2023	0908_MW260D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	21 Nov 2023	0908_MW260D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	18 Apr 2024	0908_MW260D_240418	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 Feb 2017	MW260S_GW_080217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	*0.09*	0.03	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	06 Apr 2018	MW260S_GW_06042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	*0.02*	0.04	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	19 Nov 2018	0908_MW260S_181119	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	*0.03*	0.08	**0.11**	1.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.91	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	24 May 2019	0908_MW260S_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	05 Nov 2019	0908_MW260S_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	18 May 2020	0908_MW260S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.03*	0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	24 Nov 2020	0908_MW260_S_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	14 May 2021	0908_MW260S_210514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	12 Nov 2021	0908_MW260S_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	12 Nov 2021	0908_QC205_211112	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.02*	0.02	0.04	0.04	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW260S	18 May 2022	0908_MW260S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 Nov 2022	0908_MW260S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 May 2023	0908_MW260S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	*0.04*	0.01	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	21 Nov 2023	0908_MW260S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	18 Apr 2024	0908_MW260S_240418	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	*0.06*	<0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	08 Feb 2017	MW264D_GW_08022017	Normal	NSW_0908_PFAS	Other: Background	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	31 May 2019	0908_MW264D_190531	Normal	NSW_0908_PFAS	Other: Background	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	29 May 2020	0908_MW264D_200529	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	20 May 2021	0908_MW264D_210520	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	02 Jun 2022	0908_MW264D_220602	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	02 Jun 2022	0908_QC221_220602	Interlab_D	NSW_0908_PFASOMP	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW264D	12 May 2023	0908_MW264D_230512	Normal	NSW_0908_PFASOMP_23	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	23 Apr 2024	0908_MW264D_240423	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_MW264D_240927	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_QC112_240927	Field_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_QC212_240927	Interlab_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW264S	08 Feb 2017	MW264S_GW_08022017	Normal	NSW_0908_PFAS	Other: Background	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	24 Jun 2021	0908_MW264S_210624	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	02 Jun 2022	0908_MW264S_220602	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	02 Jun 2022	0908_QC121_220602	Field_D	NSW_0908_PFASOMP	Other: Background	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	12 May 2023	0908_MW264S_230512	Normal	NSW_0908_PFASOMP_23	Other: Background	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW264S	23 Apr 2024	0908_MW264S_240423	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_MW264S_240927	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_QC111_240927	Field_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_QC211_240927	Interlab_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW270D	03 Mar 2017	MW270D_170303	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	07 Jun 2019	0908_MW270D_190607	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	25 May 2020	0908_MW270D_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	12 May 2021	0908_MW270D_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	17 May 2022	0908_MW270D_220517	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	16 May 2023	0908_MW270D_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	09 Aug 2023	0908_MW270D_230809	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	22 Apr 2024	0908_MW270D_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	20 Sep 2024	0908_MW270D_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	03 Mar 2017	MW270S_170303	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	07 Jun 2019	0908_MW270S_190607	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	25 May 2020	0908_MW270S_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.01	<0.01	<0.02	<0.01	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	12 May 2021	0908_MW270S_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	17 May 2022	0908_MW270S_220517	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.01*	0.02	0.03	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.10	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	16 May 2023	0908_MW270S_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	0.02	*0.03*	0.04	0.07	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	0.12	0.10	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	09 Aug 2023	0908_MW270S_230809	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	0.02	<0.01	0.04	0.04	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	0.09	0.08	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	22 Apr 2024	0908_MW270S_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	20 Sep 2024	0908_MW270S_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	0.04	*0.03*	0.07	**0.1**	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	0.11	0.11	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	15 Mar 2017	MW271D_GW_150317	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Apr 2018	MW271D_GW_13042018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	28 Nov 2018	0908_MW271D_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Jun 2019	0908_MW271D_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	08 Nov 2019	0908_MW271D_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	26 May 2020	0908_MW271D_200526	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Nov 2020	0908_MW271_D_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	12 Nov 2021	0908_MW271D_211112	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	16 May 2022	0908_MW271D_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	14 Nov 2022	0908_MW271D_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	15 May 2023	0908_MW271D_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	27 Nov 2023	0908_MW271D_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.04	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	24 Apr 2024	0908_MW271D_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	*0.03*	0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	19 Sep 2024	0908_MW271D_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	15 Mar 2017	MW271S_GW_150317	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Apr 2018	MW271S_GW_13042018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	28 Nov 2018	0908_MW271S_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Jun 2019	0908_MW271S_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	08 Nov 2019	0908_MW271S_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	26 May 2020	0908_MW271S_200526	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.08	**0.08**	0.23	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Nov 2020	0908_MW271_S_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.03	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	12 Nov 2021	0908_MW271S_211112	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	16 May 2022	0908_MW271S_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	*0.01*	0.02	0.03	0.06	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	14 Nov 2022	0908_MW271S_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.17	0.12	0.03	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	15 May 2023	0908_MW271S_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.05	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	27 Nov 2023	0908_MW271S_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.04	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	24 Apr 2024	0908_MW271S_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.13	**0.13**	0.44	0.06	0.05	<0.02	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	19 Sep 2024	0908_MW271S_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01	<0.01	0.03	0.03	0.19	0.06	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	03 Mar 2017	MW278D_170303	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	23 May 2019	0908_MW278D_190523	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	07 Nov 2019	0908_MW278D_191107	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	28 May 2020	0908_MW278D_200528	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	27 Nov 2020	0908_MW278_D_201127	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	13 May 2021	0908_MW278D_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	13 May 2021	0908_QC202_210513	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW278D	09 Nov 2021	0908_MW278D_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_MW278D_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_QC112_221109	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_QC212_221109	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW278D	11 May 2023	0908_MW278D_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	21 Nov 2023	0908_MW278D_231121	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	16 Apr 2024	0908_MW278D_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW278D	23 Sep 2024	0908_MW278D_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	03 Mar 2017	MW278S_170303	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	23 May 2019	0908_MW278S_190523	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	07 Nov 2019	0908_MW278S_191107	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	28 May 2020	0908_MW278S_200528	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	27 Nov 2020	0908_MW278_S_201127	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	13 May 2021	0908_MW278S_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	09 Nov 2021	0908_MW278S_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	09 Nov 2022	0908_MW278S_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	11 May 2023	0908_MW278S_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	21 Nov 2023	0908_MW278S_231121	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	16 Apr 2024	0908_MW278S_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	23 Sep 2024	0908_MW278S_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*0.12*	-	**0.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*0.46*	-	**0.46**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	**5.81**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*5.3*	-	**5.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	***113***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*70.3*	-	**70.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	**1.72**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*1.57*	-	**1.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	***36.9***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-	*18*	-	**18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	06 Mar 2017	MW279S_GW_060317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01	*0.05*	1.17	**1.22**	1.71	0.06	0.11	<0.02	<0.02	<0.1	0.02	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	13 Apr 2018	MW279S_GW_13042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04	*0.24*	1.43	**1.67**	2.46	0.04	0.12	<0.02	<0.02	<0.1	0.04	0.55	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	26 Nov 2018	0908_MW279S_181126	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.11*	1.56	**1.67**	2.16	0.06	0.09	<0.02	<0.02	<0.1	<0.02	0.3	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	27 May 2019	0908_MW279S_190527	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02	*0.2*	1.25	**1.45**	1.95	0.05	0.1	<0.02	<0.02	<0.1	0.03	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	08 Nov 2019	0908_MW279S_191108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04	*0.18*	2.16	**2.34**	3.26	0.08	0.15	<0.02	<0.02	<0.1	0.06	0.56	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	18 May 2020	0908_MW279S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04	*0.45*	2.63	**3.08**	3.84	0.08	0.18	0.04	<0.02	<0.1	<0.02	0.39	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	25 Nov 2020	0908_MW279_S_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02	*0.35*	1.2	**1.55**	2.00	0.05	0.08	0.02	<0.02	<0.1	<0.02	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	20 May 2021	0908_MW279S_210520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.03	*0.72*	1.95	**2.67**	3.60	0.12	0.15	0.04	<0.02	<0.1	0.05	0.52	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	11 Nov 2021	0908_MW279S_211111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01	*0.46*	0.93	**1.39**	1.72	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	19 May 2022	0908_MW279S_220519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01	*0.32*	0.88	**1.2**	1.55	0.04	0.06	<0.02	<0.02	<0.1	0.02	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	07 Nov 2022	0908_MW279S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01	*0.18*	0.53	**0.71**	0.93	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	09 May 2023	0908_MW279S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.03	*0.38*	1.98	**2.36**	3.20	0.12	0.16	0.03	<0.02	<0.1	0.06	0.42	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	21 Nov 2023	0908_MW279S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.03	*0.32*	2.28	**2.6**	3.63	0.16	0.18	0.03	<0.02	<0.1	0.03	0.58	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	16 Apr 2024	0908_MW279S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.04	*0.8*	3.5	**4.3**	5.78	0.17	0.28	0.07	<0.02	<0.1	0.10	0.70	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	25 Sep 2024	0908_MW279S_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.03	*0.30*	1.11	**1.41**	1.90	0.07	0.09	<0.02	<0.02	<0.1	0.03	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	*0.13*	-	**0.13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	**0.94**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	*0.52*	-	**0.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	**8.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	*4.62*	-	**4.62**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	***92.7***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	*39.9*	-	**39.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	**2.68**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	*1.24*	-	**1.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	***31.1***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-	*13*	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	08 Mar 2017	MW280S_GW_080317	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	07 Aug 2018	0908_MW280_180807	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	07 Sep 2018	0908_MW28D_180907	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	05 Oct 2018	0908_MW280S_181005	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Jan 2019	0908_MW280S_190123	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	29 Mar 2019	0908_MW280S_190329	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	19 Jun 2019	MW280_190618	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002	<0.002	0.004	0.004	0.2	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.196	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	25 Sep 2019	0908_MW280S_190925	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0009	*0.0012*	0.0036	0.0048	0.0069	0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_MW280S_191202	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.0008	*0.0017*	0.0035	0.0052	0.0076	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_QC103_191202	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.0009	*0.002*	0.0036	0.0056	0.0086	0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_QC203_191202	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.001	*0.0024*	0.0035	0.0059	-	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW280S	17 Apr 2020	0908_MW280S_200417	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0009	<0.0003	0.0035	0.0035	0.0463	0.0061	<0.0005	<0.0005	<0.0005	<0.002	<0.0016	0.0018	<0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.034	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	23 Jun 2020	0908_MW280S_200623	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002	<0.002	0.004	0.004	0.004	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002	<0.002	0.003	0.003	0.015	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.012	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	11 Jan 2021	0908_MW280_S_210111	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0022	*0.0372*	0.0103	0.0475	0.0631	0.0020	0.0011	<0.0005	<0.0005	<0.002	<0.0005	0.0033	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.007	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	22 Jan 2021	0908_MW280S_210122	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0007	*0.0012*	0.0039	0.0051	0.0131	0.0008	<0.0005	<0.0005	<0.0005	0.003	0.0021	0.0014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	24 Jun 2021	0908_MW280S_210624	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	20 Sep 2021	0908_MW280S_210920	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002	<0.002	0.004	0.004	0.014	<0.002	<0.002	<0.002	<0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	13 Jan 2022	0908_MW280S_220113	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0012	<0.0003	0.0051	0.0051	0.0166	0.0012	0.0006	<0.0005	<0.0005	0.006	<0.0005	0.0017	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	16 Mar 2022	0908_MW280S_220316	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002	<0.002	0.004	0.004	0.004	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	20 May 2022	0908_MW280S_220520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	30 Jun 2022	0908_MW280S_220630	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.002	*0.002*	0.009	0.011	0.044	<0.002	<0.002	<0.002	<0.002	0.02	0.007	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	16 Sep 2022	0908_MW280S_220916	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002	<0.002	0.006	0.006	0.030	<0.002	<0.002	<0.002	<0.002	0.02	<0.002	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	11 Nov 2022	0908_MW280S_221111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	18 May 2023	0908_MW280S_230518	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Nov 2023	0908_MW280S_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Apr 2024	0908_MW280S_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Sep 2024	0908_MW280S_240923	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	20 Mar 2017	MW281S_GW_200317	Normal	NSW_0908_PFAS	On-base	-	**4.47**	*180*	64	**244**	285	4.62	4.95	7.78	<0.02	1	2.27	14	1.52	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	**8.75**	*206*	76.9	**283**	318	1.9	3.16	7.35	<0.1	<0.5	1.27	10.3	1.99	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**282.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	22 Nov 2018	0908_MW281S_181122	Normal	NSW_0908_PFAS	On-base	-	**8.01**	*191*	41	**232**	264	1.57	2.23	9.9	<0.02	0.5	0.92	7.45	1.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	NSW_0908_PFAS	On-base	-	**7.32**	*186*	37.5	**224**	252	1.45	2.03	8.41	<0.02	0.4	0.83	7.14	1.13	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**223.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	31 May 2019	0908_MW281S_190531	Normal	NSW_0908_PFAS	On-base	-	**4.94**	*144*	25.4	**169**	191	1.1	1.46	7.46	<0.02	0.3	0.73	4.43	0.77	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	31 May 2019	0908_MW281S_190531	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**169.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	23 Oct 2019	0908_MW281S_191023	Normal	NSW_0908_PFASMGMT	On-base	-	**4.44**	*112*	18.8	**131**	150	1.00	1.69	7.50	<0.02	0.3	0.62	3.63	0.60	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	06 Nov 2019	0908_MW281S_191107	Normal	NSW_0908_PFASOMP	On-base	-	**4.64**	*112*	19.4	**131**	152	1.12	1.80	7.66	<0.02	0.3	0.65	3.98	0.58	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	15 May 2020	0908_MW281S_200515	Normal	NSW_0908_PFASOMP	On-base	-	**3.84**	*119*	19.8	**139**	158	1.12	1.99	6.64	<0.02	0.2	0.62	4.13	0.55	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	16 Nov 2020	0908_MW281_S_201116	Normal	NSW_0908_PFASOMP	On-base	-	**3.56**	*26.7*	24.3	**51**	69.9	1.09	2.79	6.10	<0.02	0.3	0.55	3.83	0.64	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	25 May 2021	0908_MW281S_210525	Normal	NSW_0908_PFASOMP	On-base	-	**2.19**	*63.3*	26.2	**89.5**	109	2.23	2.84	4.69	<0.02	0.2	0.78	5.45	0.76	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2021	0908_MW281S_211110	Normal	NSW_0908_PFASOMP	On-base	-	**3.10**	*234*	21.4	**255**	277	1.63	1.90	8.86	<0.02	0.2	0.53	4.89	0.63	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	26 May 2022	0908_MW281S_220526	Normal	NSW_0908_PFASOMP	On-base	-	**2.16**	*68.6*	19.4	**88**	103	1.87	2.32	3.12	<0.02	0.4	0.67	4.06	0.61	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW281S	10 Nov 2022	0908_MW281S_221110	Normal	NSW_0908_PFASOMP	On-base	-	**2.97**	*41.4*	11.5	**52.9**	60.5	0.29	0.44	2.55	<0.02	<0.1	0.14	0.94	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_QC103_221110	Field_D	NSW_0908_PFASOMP	On-base	-	**3.79**	*50*	12.9	**62.9**	73.7	0.34	0.47	4.61	<0.02	0.1	0.18	1.06	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_QC203_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-	**2.8**	*31*	9.6	**41**	48	0.31	0.34	2.4	<0.02	0.06	0.2	0.90	0.28	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW281S	10 May 2023	0908_MW281S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	**1.67**	*108*	21.8	**130**	143	1.15	1.78	3.70	<0.02	0.3	0.58	3.41	0.72	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 May 2023	0908_QC217_230510	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	**1.6**	*73*	20	**93**	110	1.1	2.2	2.9	<0.02	0.33	0.61	3.5	0.68	0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW281S	22 Nov 2023	0908_MW281S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	**2.62**	*99.8*	12.8	**113**	123	0.48	0.57	3.97	<0.02	0.3	0.36	1.89	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	17 Apr 2024	0908_MW281S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	**0.71**	*22*	4.82	**26.8**	30.5	0.27	0.39	1.15	<0.02	0.1	0.14	0.65	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	25 Sep 2024	0908_MW281S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	**1.43**	*109*	4.07	**113**	119	0.29	0.29	2.32	<0.02	0.1	0.22	0.92	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	NSW_0908_PFAS	On-base	-	**1.23**	*1.48*	12.8	**14.28**	20.1	0.77	0.83	1.26	<0.02	<0.1	0.23	1.21	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**14.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW282S	23 Oct 2019	0908_MW282S_191023	Normal	NSW_0908_PFASMGMT	On-base	-	**3.41**	*54.7*	16	**70.7**	86.6	0.86	1.43	5.15	<0.02	0.3	0.58	3.53	0.63	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	06 Nov 2019	0908_MW282S_191107	Normal	NSW_0908_PFASOMP	On-base	-	**1.95**	*1.09*	19.7	**20.8**	33.1	1.08	1.80	1.73	<0.02	0.3	0.64	4.13	0.68	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	15 May 2020	0908_MW282S_200515	Normal	NSW_0908_PFASOMP	On-base	-	**3.29**	*35.8*	13.3	**49.1**	64.8	1.13	1.33	5.01	<0.02	0.2	0.66	3.62	0.47	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	15 May 2020	0908_QC108_200515	Field_D	NSW_0908_PFASOMP	On-base	-	**3.39**	*39.7*	14.2	**53.9**	70.2	1.13	1.47	5.37	<0.02	0.3	0.67	3.51	0.48	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_MW282_S_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.03	*0.15*	0.73	**0.88**	1.50	0.17	0.17	0.04	<0.02	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_QC100_201116	Field_D	NSW_0908_PFASOMP	On-base	-	0.05	*0.16*	0.81	**0.97**	1.70	0.18	0.18	0.05	<0.02	<0.1	0.04	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_QC200_201116	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.039	*0.14*	0.86	**1**	-	0.17	0.16	0.027	<0.01	<0.05	0.035	0.18	0.015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW282S	25 May 2021	0908_MW282S_210525	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*0.95*	0.93	**1.88**	2.65	0.14	0.13	0.09	<0.02	<0.1	0.12	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 Nov 2021	0908_MW282S_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.28	*1.48*	9.48	**11**	16.0	0.80	0.70	0.34	<0.02	0.1	0.32	2.25	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	26 May 2022	0908_MW282S_220526	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.03*	0.27	**0.3**	0.41	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	26 May 2022	0908_QC115_220526	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01	*0.04*	0.37	**0.41**	0.56	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 Nov 2022	0908_MW282S_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.03*	0.08	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 May 2023	0908_MW282S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07	*0.14*	3.33	**3.47**	4.49	0.09	0.15	0.08	<0.02	<0.1	0.09	0.45	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 May 2023	0908_QC117_230510	Field_D	NSW_0908_PFASOMP_23	On-base	-	0.07	*0.12*	3.27	**3.39**	4.49	0.14	0.15	<0.02	<0.02	<0.1	0.12	0.52	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	22 Nov 2023	0908_MW282S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.15	*0.9*	1.34	**2.24**	3.44	0.13	0.10	0.22	<0.02	<0.1	0.09	0.46	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	17 Apr 2024	0908_MW282S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.31	*0.43*	2.69	**3.12**	4.71	0.11	0.17	0.35	<0.02	<0.1	0.10	0.43	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	25 Sep 2024	0908_MW282S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10	*0.51*	2.19	**2.7**	3.67	0.11	0.13	0.10	<0.02	<0.1	0.06	0.37	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	02 Jul 2018	0908_W304_180702	Normal	NSW_0908_Stage2	On-base	-	0.10	*7.03*	1.87	**8.9**	9.77	0.08	0.11	0.18	<0.02	<0.1	0.08	0.30	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	17 Oct 2019	0908_MW304_191017	Normal	NSW_0908_PFASMGMT	On-base	-	0.18	*22.7*	4.22	**26.9**	29.7	0.22	0.31	0.21	<0.02	0.2	0.41	1.12	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	27 May 2021	0908_MW304_210527	Normal	NSW_0908_PFASMGMT	On-base	-	0.08	*14.2*	0.82	**15**	15.4	<0.02	0.03	0.15	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	23 Apr 2024	0908_MW304_240423	Normal	NSW_0908_PFASOMP_24	On-base	-	0.33	*42.3*	2.1	**44.4**	46.2	0.10	0.19	0.34	<0.02	<0.1	0.16	0.46	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	26 Sep 2019	0908_MW315D_190926	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	<0.0003	0.0219	0.0219	0.0702	0.0180	0.0074	<0.0005	<0.0005	<0.002	0.0032	0.0197	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	19 Nov 2019	0908_MW315D_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	03 Dec 2019	0908_MW315D_191203	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005	*0.0016*	0.018	0.0196	0.0693	0.0194	0.0081	<0.0005	<0.0005	<0.0020	0.0054	0.0168	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	12 Mar 2020	0908_MW315D_200317	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0053*	0.0127	0.018	0.0749	0.0273	0.0073	<0.0005	<0.0005	<0.002	0.0032	0.0191	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	20 May 2020	0908_MW315D_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.04	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	08 Jul 2020	0908_MW315D_200708	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0045*	0.023	0.0275	0.117	0.0086	0.0154	<0.0005	<0.0005	<0.002	0.0066	0.0348	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.023	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	29 Sep 2020	0908_MW315D_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	*0.003*	0.028	0.031	0.141	0.033	0.017	<0.002	<0.002	<0.01	0.006	0.041	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.013	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	26 Nov 2020	0908_MW315_D_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	11 Jan 2021	0908_MW315_D_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0029*	0.0346	0.0375	0.186	0.0400	0.0202	<0.0005	<0.0005	0.004	0.0048	0.0474	0.0010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.031	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	25 Mar 2021	0908_MW315_D_210325	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0023*	0.0436	0.0459	0.306	0.138	0.0242	<0.0005	<0.0005	<0.002	0.0087	0.0563	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.031	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	20 Sep 2021	0908_MW315D_210921	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0024*	0.043	0.0454	0.230	0.0486	0.0214	<0.0005	<0.0005	<0.0020	0.0157	0.0620	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.036	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	14 Jan 2022	0908_MW315D_220114	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	<0.0003	0.0866	**0.0866**	0.262	0.0511	0.0309	<0.0005	<0.0005	<0.002	0.0059	0.0842	0.0029	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	18 Mar 2022	0908_MW315D_220318	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	0.054	0.054	0.240	0.050	0.029	<0.002	<0.002	<0.01	0.017	0.073	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.015	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	26 May 2022	0908_MW315D_220526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.1	**0.1**	0.25	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	26 May 2022	0908_QC116_220526	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.16	**0.16**	0.39	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	30 Jun 2022	0908_MW315D_220630	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	*0.011*	0.082	**0.093**	0.269	0.042	0.035	<0.002	<0.002	<0.01	0.017	0.071	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.007	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	30 Jun 2022	0908_QC103_220630	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	*0.012*	0.082	**0.094**	0.270	0.041	0.035	<0.002	<0.002	<0.01	0.018	0.069	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.009	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	16 Sep 2022	0908_MW315D_220916	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	0.174	**0.174**	0.394	0.046	0.058	<0.002	<0.002	<0.01	0.018	0.093	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	16 Sep 2022	0908_QC102_220916	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	0.183	**0.183**	0.417	0.049	0.059	<0.002	<0.002	<0.01	0.019	0.102	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	11 Nov 2022	0908_MW315D_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.12	**0.12**	0.28	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_MW315D_230518	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.16	**0.16**	0.30	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_QC120_230518	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.2	**0.2**	0.37	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_QC220_230518	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.19	**0.19**	0.32	<0.01	0.05	<0.01	<0.02	<0.02	<0.02	0.08	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW315D	23 Nov 2023	0908_MW315D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.16	**0.16**	0.38	0.10	0.04	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	23 Apr 2024	0908_MW315D_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.14	**0.14**	0.29	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	23 Sep 2024	0908_MW315D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.20	**0.2**	0.34	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	26 Sep 2019	0908_MW315S_190926	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	<0.0003	0.0251	0.0251	0.0318	0.0019	0.0018	<0.0005	<0.0005	<0.002	<0.0005	0.0030	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	19 Nov 2019	0908_MW315S_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	19 Nov 2019	0908_QC108_191119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	19 Nov 2019	0908_QC208_191119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.02	0.017	0.017	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW315S	03 Dec 2019	0908_MW315S_191203	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005	*0.0077*	0.0214	0.0291	0.0357	0.0026	0.0016	<0.0005	<0.0005	<0.0020	<0.0005	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	12 Mar 2020	0908_MW315S_200317	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0076*	0.0097	0.0173	0.0212	0.0022	0.0008	<0.0005	<0.0005	<0.002	<0.0005	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	20 May 2020	0908_MW315S_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW315S	08 Jul 2020	0908_MW315S_200708	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	<0.0003	0.0257	0.0257	0.0440	0.0048	0.0050	<0.0005	<0.0005	<0.002	0.0029	0.0056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	29 Sep 2020	0908_MW315S_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002	<0.002	0.018	0.018	0.026	0.002	0.003	<0.002	<0.002	<0.01	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	26 Nov 2020	0908_MW315_S_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.04	0.04	0.17	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	11 Jan 2021	0908_MW315_S_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005	*0.0076*	0.0254	0.033	0.0428	0.0027	0.0022	<0.0005	<0.0005	<0.002	<0.0005	0.0029	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.002	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_MW315_S_210325	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0006	*0.0008*	0.0681	0.0689	0.103	0.0065	0.0068	<0.0005	<0.0005	<0.002	0.0041	0.0100	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.006	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_QC100_210325	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0006	*0.0012*	0.0762	**0.0774**	0.118	0.0070	0.0074	<0.0005	<0.0005	<0.002	0.0034	0.0097	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.013	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_QC200_210325	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.001	<0.002	0.064	0.064	-	0.0064	0.0062	<0.001	<0.001	<0.005	0.0023	0.0069	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.015	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW315S	20 Sep 2021	0908_MW315S_210921	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0019	*0.0008*	0.0201	0.0209	0.0332	0.0020	0.0016	<0.0005	<0.0005	<0.0020	<0.0005	0.0062	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	14 Jan 2022	0908_MW315S_220114	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0019	<0.0016	0.0248	0.0248	0.0354	0.0024	0.0018	<0.0016	<0.0016	<0.008	<0.0016	0.0045	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0040	<0.002	<0.002	<0.002	<0.002	<0.0016	<0.004	<0.0016	<0.004	<0.004	<0.0016	<0.004
MW315S	18 Mar 2022	0908_MW315S_220318	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.004	*0.002*	0.026	0.028	0.047	<0.002	<0.002	<0.002	<0.002	0.01	<0.002	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	26 May 2022	0908_MW315S_220526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	30 Jun 2022	0908_MW315S_220630	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.005	*0.003*	0.024	0.027	0.073	0.002	0.002	<0.002	<0.002	0.03	<0.002	0.007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	16 Sep 2022	0908_MW315S_220916	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.003	*0.003*	0.025	0.028	0.111	0.002	0.003	<0.002	<0.002	0.06	<0.002	0.015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	16 Sep 2022	0908_QC203_220916	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.004	*0.002*	0.019	0.021	0.084	0.003	0.003	<0.001	<0.002	0.037	0.004	0.01	0.002	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05	<0.001	<0.001	<0.002	<0.002	<0.01	<0.05	<0.002	<0.05	<0.1	<0.002	<0.5
MW315S	11 Nov 2022	0908_MW315S_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	18 May 2023	0908_MW315S_230518	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Nov 2023	0908_MW315S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Apr 2024	0908_MW315S_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Sep 2024	0908_MW315S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	01 Nov 2019	0908_MW316D_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW316D	18 May 2020	0908_MW316D_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	25 Nov 2020	0908_MW316_D_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	20 May 2021	0908_MW316D_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	11 Nov 2021	0908_MW316D_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	20 May 2022	0908_MW316D_220520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	07 Nov 2022	0908_MW316D_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	09 May 2023	0908_MW316D_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	21 Nov 2023	0908_MW316D_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	16 Apr 2024	0908_MW316D_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone D	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	26 Jun 2020	0908_MW317D_200626	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	24 May 2021	0908_MW317D_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	30 May 2022	0908_MW317D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	12 May 2023	0908_MW317D_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	17 Apr 2024	0908_MW317D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	26 Jun 2020	0908_MW317S_200626	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	24 May 2021	0908_MW317S_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.04*	0.1	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	18 Nov 2021	0908_MW317S_211118	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.07*	0.02	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	18 Nov 2021	0908_QC102_211118	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01	*0.08*	0.02	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	30 May 2022	0908_MW317S_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	12 May 2023	0908_MW317S_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	17 Apr 2024	0908_MW317S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	19 Nov 2019	0908_MW318D_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.22	**0.22**	0.37	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	21 May 2020	0908_MW318D_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.37	**0.37**	0.37	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	25 Nov 2020	0908_MW318_D_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.08	**0.08**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	20 May 2021	0908_MW318D_210520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.21	**0.21**	0.39	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	15 Nov 2021	0908_MW318D_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02	*0.03*	0.52	**0.55**	1.31	0.22	0.15	<0.02	<0.02	<0.1	0.05	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	31 May 2022	0908_MW318D_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02	*0.04*	0.6	**0.64**	1.38	0.19	0.20	<0.02	<0.02	<0.1	0.05	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	31 May 2022	0908_QC219_220531	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02	*0.04*	0.55	**0.59**	1.3	0.18	0.14	0.02	<0.02	0.03	0.05	0.26	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW318D	08 Nov 2022	0908_MW318D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.17	**0.17**	0.48	0.09	0.09	<0.02	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	11 May 2023	0908_MW318D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	*0.04*	0.28	**0.32**	0.63	0.09	0.08	<0.02	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	23 Nov 2023	0908_MW318D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	0.01	*0.04*	0.41	**0.45**	0.86	0.10	0.08	<0.02	<0.02	<0.1	0.03	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	22 Apr 2024	0908_MW318D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	0.03	*0.1*	0.73	**0.83**	1.31	0.07	0.11	0.03	<0.02	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_MW318S_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_QC109_191119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_QC209_191119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW318S	21 May 2020	0908_MW318S_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	25 Nov 2020	0908_MW318_S_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	20 May 2021	0908_MW318S_210520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	15 Nov 2021	0908_MW318S_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	31 May 2022	0908_MW318S_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	08 Nov 2022	0908_MW318S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	11 May 2023	0908_MW318S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	23 Nov 2023	0908_MW318S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	22 Apr 2024	0908_MW318S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW329	23 Oct 2019	0908_MW329_191023	Normal	NSW_0908_PFASMGMT	On-base	-	12.9	321	41.8	363	402	1.13	2.97	14.0	<0.02	0.4	0.84	6.06	1.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	09 Nov 2020	0908_MW329_201109	Normal	NSW_0908_PFASMGMT	On-base	-	2.48	178	15.9	194	210	0.82	1.75	5.42	<0.02	0.3	0.61	3.95	0.53	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	18 Apr 2024	0908_MW329_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	2.32	165	12.7	178	188	0.47	0.99	3.72	<0.02	0.2	0.30	1.97	0.33	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	25 Sep 2024	0908_MW329_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.67	43.5	3.84	47.3	51.1	0.19	0.24	1.92	<0.02	<0.1	0.10	0.52	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	09 Nov 2020	0908_MW340D_201109	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.2	0.02	0.22	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	09 Nov 2020	0908_QC104_201109	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01	0.24	0.03	0.27	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	18 Apr 2024	0908_MW340D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.04	0.25	0.44	0.69	1.12	0.09	0.09	<0.02	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_MW340D_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.04	0.10	0.46	0.56	0.97	0.09	0.08	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_QC110_240925	Field_D	NSW_0908_PFASOMP_24	On-base	-	0.04	0.11	0.43	0.54	0.96	0.09	0.09	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_QC210_240925	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	0.04	0.1	0.48	0.57	0.96	0.10	0.09	<0.01	<0.02	<0.02	0.02	0.12	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW340S	29 Oct 2020	0908_MW340S_201029	Normal	NSW_0908_PFASMGMT	On-base	-	0.01	0.06	1.08	1.14	1.80	0.19	0.11	<0.02	<0.02	<0.1	0.07	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	04 Oct 2023	0908_MW340S_231004	Normal	NSW_0908_PFASMGMT_23	On-base	-	0.01	<0.01	1.33	1.33	1.58	0.04	0.07	<0.02	<0.02	<0.1	<0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	16 Nov 2023	0908_MW340S_231116	Normal	NSW_0908_PFASMGMT_23	On-base	-	0.02	<0.01	1.18	1.18	1.38	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_MW340S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01	0.02	0.92	0.94	1.12	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC109_240418	Field_D	NSW_0908_PFASOMP_24	On-base	-	<0.01	0.02	0.86	0.88	1.03	0.03	0.06	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC209_240418	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	<0.01	0.01	0.85	0.86	1.0	0.03	0.04	<0.01	<0.02	<0.02	<0.02	0.08	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW340S	25 Sep 2024	0908_MW340S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	0.02	0.36	0.38	0.74	0.05	0.12	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	09 Nov 2020	0908_MW342D_201109	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	0.21	0.12	0.33	0.38	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_MW342D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	0.14	0.16	0.3	0.38	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC107_240418	Field_D	NSW_0908_PFASOMP_24	On-base	-	<0.01	0.19	0.16	0.35	0.47	0.02	0.03	<0.02	0.04	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC207_240418	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	<0.01	0.14	0.18	0.31	0.39	0.02	0.02	<0.01	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW342D	25 Sep 2024	0908_MW342D_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	0.17	0.20	0.37	0.46	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	09 Nov 2020	0908_MW344D_201109	Normal	NSW_0908_PFASMGMT	On-base	Risk Zone B	<0.01	0.2	0.11	0.31	0.33	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	18 Apr 2024	0908_MW344D_240418	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.02	0.25	0.34	0.59	0.71	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	25 Sep 2024	0908_MW344D_240925	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.03	0.08	0.65	0.73	0.91	0.05	0.04	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	29 Oct 2020	0908_MW344S_201029	Normal	NSW_0908_PFASMGMT	On-base	Risk Zone B	0.04	0.52	0.52	1.04	1.16	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	10 Oct 2023	0908_MW344S_231010	Normal	NSW_0908_PFASMGMT_23	On-base	Risk Zone B	0.02	0.7	0.3	1	1.20	0.03	0.03	<0.02	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	07 Nov 2023	0908_MW344S_231107	Normal	NSW_0908_PFASMGMT_23	On-base	Risk Zone B	0.02	0.43	0.19	0.62	0.76	0.02	0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	18 Apr 2024	0908_MW344S_240418	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.03	0.51	0.13	0.64	0.84	<0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.05	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_MW344S_240925	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.01	0.62	0.16	0.78	0.99	0.05	0.03	<0.02	<0.02	<0.1	0.04	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_QC109_240925	Field_D	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.01	0.54	0.13	0.67	0.87	0.04	0.04	<0.02	<0.02	<0.1	0.04	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_QC209_240925	Interlab_D	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.01	0.53	0.15	0.68	0.89	0.04	0.04	0.01	<0.02	<0.02	0.03	0.06	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW354S	09 Nov 2020	0908_MW354_201109	Normal	NSW_0908_PFASMGMT	On-base	-	4.07	88.9	31.4	120	153	2.04	4.47	9.84	<0.02	0.7	1.33	8.66	1.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	05 Oct 2023	0908_MW354S_231005	Normal	NSW_0908_PFASMGMT_23	On-base	-	3.21	26.8	13.8	40.6	51.0	0.51	0.77	2.76	<0.02	0.2	0.32	2.26	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	14 Nov 2023	0908_MW354S_231114	Normal	NSW_0908_PFASMGMT_23	On-base	-	5.77	47.7	13.1	60.8	75.6	0.36	0.74	5.37	<0.02	0.1	0.28	1.90	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	18 Apr 2024	0908_MW354S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	4.34	70.9	10.9	81.8	97.2	0.49	0.75	6.88	<0.02	0.2	0.38	1.99	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	25 Sep 2024	0908_MW354S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	1.72	27.6	14.5	42.1	50.9	0.44	0.80	3.10	<0.02	0.2	0.28	1.75	0.42	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	09 Feb 2016	W6_09022016	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW406	25 Aug 2016	W6_250816	Normal	NSW_0908_PFAS	On-base	-	0.01	0.03	0.04	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW406	19 Oct 2016	W6_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01	0.02	0.03	0.05	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW406	19 Oct 2016	QC105_191016	Field_D	NSW_0908_PFAS	On-base	-	<0.01	0.01	0.04	0.05	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW406	11 Jan 2017	QC811_GW_11012017	Interlab_D	NSW_0908_PFAS	On-base	-	<0.02	<0.01	0.034	0.034	-	<0.01	-	-	<0.02	<0.05	<0.02	0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
MW406	12 Jan 2017	W6_GW_12012017	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	03 Apr 2018	W6_GW_03042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	03 Apr 2018	W6_GW_03042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW406	29 Jun 2018	0908_W6_180629	Normal	NSW_0908_Stage2	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	21 Nov 2018	0908_W6_181121	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	28 May 2019	0908_W6_190528	Normal	NSW_0908_PFAS	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	12 May 2020	0908_MW406_200512	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	19 May 2021	0908_MW406_210519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	0.03	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_MW406_220524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_QC113_220524	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_QC213_220524	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW406	08 May 2023	0908_MW406_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	08 May 2023	0908_QC100_230508	Field_D	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	08 May 2023	0908_QC200_230508	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01	<0.01	0.04	0.04	0.04	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW406	17 Apr 2024	0908_MW406_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	11 Aug 2014	W41_11082014	Normal	NSW_0908_PFAS	On-base	-	2.1	<0.01	0.23	6.8	-	0.02	-	-	<0.01	-	0.07	1	0.23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW441	11 Aug 2014	W41_11082014	Normal	NSW_0908_PFAS	On-base	-	-	4.3	2.5	6.8	-	-	-	-	-	-	-	-	2.5	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW441	26 Aug 2016	W41_260816	Normal	NSW_0908_PFAS	On-base	-	0.73	130	5.8	135.8	-	0.19	-	-	<0.01	<0.05	0.09	1.1	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW441	18 Oct 2016	W41_181016	Normal	NSW_0908_PFAS	On-base	-	0.54	180	5.9	185.9	-	<0.01	-	-	<0.01	<0.05	0.12	0.88	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	16 Jan 2017	W41_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.44	220	5.2	225.2	-	0.11	-	-	<0.01	0.05	0.09	0.61	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	16 Jan 2017	W41_160117	Normal	NSW_0908_PFAS	On-base	-	0.44	220	5.2	225.2	-	0.11	-	-	<0.01	0.05	0.09	0.61	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	04 May 2017	W41_040517	Normal	ACTNSW_Hist_202012-3	On-base	-	1.1	170	6.2	176.2	-	0.43	0.58	1.5	0.36	0.36	0.61	1.3	0.42	0.41	0.38	0.39	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW441	04 May 2017	QC105_040517	Field_D	ACTNSW_Hist_202012-3	On-base	-	**1.1**	*180*	6.2	**186.2**	-	0.41	0.59	1.6	0.37	0.37	0.62	1.3	0.42	0.39	0.36	0.35	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW441	17 Oct 2019	0908_W41_191017	Normal	NSW_0908_PFASMGMT	On-base	-	0.43	*158*	14.1	**172**	180	0.24	0.68	0.29	<0.02	0.3	0.85	4.57	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	17 Oct 2019	0908_QC200_191017	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.23	*110*	13	**123**	-	0.17	0.42	0.23	<0.01	0.26	0.61	3.3	0.42	0.011	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.019	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW441	21 May 2021	0908_MW441_210521	Normal	NSW_0908_PFASMGMT	On-base	-	**1.65**	*93.6*	19.4	**113**	125	0.26	1.36	1.81	<0.02	0.3	0.97	5.43	0.54	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	23 Apr 2024	0908_MW441_240423	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02	*10*	0.26	**10.3**	11.2	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.67	0.17	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	18 Jun 2014	W66	Normal	ACTNSW_Hist_202012-3	On-base	-	**1.4**	*29.1*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW466	11 Aug 2014	W66_11082014	Normal	NSW_0908_PFAS	On-base	-	**0.69**	<0.01	0.03	**13.03**	-	3.9	-	-	<0.01	-	0.61	6.7	0.03	0.03	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW466	11 Aug 2014	W66_11082014	Normal	NSW_0908_PFAS	On-base	-	-	*13*	-	-	-	-	-	-	-	-	-	-	1.7	13	-	0.03	0.03	-	-	-	-	0.03	-	-	-	-	-	-	-	-	-
MW466	29 Aug 2016	W66_290816	Normal	NSW_0908_PFAS	On-base	-	**0.77**	*26*	7.3	**33.3**	-	0.57	-	-	<0.01	0.1	0.3	1.9	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	<0.01	-	<0.05	-	-
MW466	29 Aug 2016	QC104_2908016	Field_D	ACTNSW_Hist_202012-3	On-base	-	**1.33**	*31.8*	10.5	**42.3**	51.9	1	1.13	1.07	<0.02	0.4	1.01	3.12	0.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 Oct 2016	W66_191016	Normal	NSW_0908_PFAS	On-base	-	**0.58**	*33*	5.9	**38.9**	-	0.41	-	-	<0.01	0.14	0.15	1.1	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW466	20 Dec 2016	W66_GW_20122016	Normal	NSW_0908_PFAS	On-base	-	0.5	*32*	3.24	**35.2**	37.7	0.17	0.22	0.4	<0.02	<0.1	0.2	0.84	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Dec 2016	W66_GW_20122016	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**35.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	20 Dec 2016	QC800_GW_201216	Interlab_D	NSW_0908_PFAS	On-base	-	0.4	*31*	2.3	**33.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
MW466	12 Jan 2017	W66_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	**0.61**	*50*	3.2	**53.2**	-	0.2	-	-	<0.01	0.13	0.17	1.1	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW466	24 Jan 2017	W66_24012017	Normal	NSW_0908_PFAS	On-base	-	**0.69**	*52.9*	4.78	**57.68**	61.2	0.24	0.32	0.57	<0.02	<0.1	0.33	1.23	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Jan 2017	W66_24012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**57.7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	02 May 2017	W66_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.17	*9.5*	3	**12.5**	-	0.17	0.22	0.21	<0.01	0.05	0.09	0.37	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW466	10 Jul 2017	W66	Normal	ACTNSW_Hist_202012-3	On-base	-	**0.58**	*28.1*	7.75	**35.8**	-	0.81	-	-	-	<0.1	0.2	1.12	0.2	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-
MW466	20 Apr 2018	W66_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.19	*24*	2.23	**26.2**	28	0.15	0.21	0.19	0.03	<0.1	0.17	0.8	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Apr 2018	W66_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**26.23**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	22 Aug 2018	0908_W66_180822	Normal	NSW_0908_PFASMGMT	On-base	-	0.33	*14.7*	6.5	**21.2**	25.2	0.53	0.71	0.34	<0.02	0.2	0.33	1.42	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	14 Sep 2018	0908_W66_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.39	*15.1*	8.14	**23.2**	28.6	0.80	0.92	0.38	<0.02	<0.1	0.38	2.26	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Nov 2018	0908_W66_181129	Normal	NSW_0908_PFAS	On-base	-	0.2	*14.8*	2.45	**17.2**	18.7	0.17	0.18	0.18	<0.02	<0.1	0.16	0.52	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Nov 2018	0908_W66_181129	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**17.25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	23 Apr 2019	0908_W66_190423	Normal	NSW_0908_PFASMGMT	On-base	-	0.06	*11.8*	0.8	**12.6**	13.4	0.08	0.10	0.06	<0.02	<0.1	0.09	0.36	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 May 2019	0908_W66_190522	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*8.73*	0.5	**9.23**	9.99	0.04	0.05	0.04	0.04	0.2	0.11	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	31 May 2019	0908_W66_190531	Normal	NSW_0908_PFAS	On-base	-	0.05	*9.65*	0.65	**10.3**	11	0.04	0.05	0.04	0.05	<0.1	0.15	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 Jun 2019	0908_W66_190619	Normal	NSW_0908_PFASMGMT	On-base	-	0.07	*6.82*	0.93	**7.75**	8.46	0.04	0.08	0.04	<0.02	<0.1	0.13	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Sep 2019	0908_W66_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.14	*9.04*	1.96	**11**	12.4	0.20	0.20	0.10	0.04	<0.1	0.23	0.43	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	08 Nov 2019	0908_MW466_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.12	*10.3*	1.65	**12**	13.4	0.09	0.12	0.08	0.03	0.1	0.30	0.52	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	03 Dec 2019	0908_W66_191203	Normal	NSW_0908_PFAS	On-base	-	0.11	*6.98*	1.03	**8.01**	9.30	0.06	0.08	0.08	0.03	<0.1	0.25	0.55	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	16 Mar 2020	0908_W66_200316	Normal	NSW_0908_PFASMGMT	On-base	-	<0.05	*1.67*	0.2	**1.87**	1.87	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW466	11 May 2020	0908_MW466_200511	Normal	NSW_0908_PFASOMP	On-base	-	0.07	*3.35*	3.41	**6.76**	9.29	0.65	0.83	0.06	<0.02	<0.1	0.22	0.64	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Jun 2020	0908_MW466_200622	Normal	NSW_0908_PFASMGMT	On-base	-	0.12	*7.22*	2.72	**9.94**	11.8	0.28	0.27	0.09	0.04	0.2	0.19	0.50	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.13	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	01 Oct 2020	0908_MW466_201001	Normal	NSW_0908_PFASMGMT	On-base	-	0.13	*5.25*	4.38	**9.63**	13.0	0.47	0.84	0.12	0.06	0.1	0.30	1.10	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	17 Nov 2020	0908_MW466_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.07	*2*	2.41	**4.41**	5.26	0.15	0.18	0.06	<0.02	<0.1	0.06	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	13 Jan 2021	0908_MW466_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.16	*6.13*	2.92	**9.05**	11.1	0.34	0.39	0.19	0.04	<0.1	0.12	0.57	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Mar 2021	0908_MW466_210329	Normal	NSW_0908_PFASMGMT	On-base	-	0.14	*0.74*	1.22	**1.96**	5.80	0.14	0.12	0.03	<0.02	0.8	0.89	1.50	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 May 2021	0908_MW466_210524	Normal	NSW_0908_PFASOMP	On-base	-	0.41	*19*	6.79	**25.8**	29.3	0.38	0.56	0.39	<0.02	0.2	0.24	1.13	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	23 Jun 2021	0908_MW466_210623	Normal	NSW_0908_PFASMGMT	On-base	-	0.52	*9.03*	3.34	**12.4**	15.0	0.22	0.26	0.37	0.05	0.1	0.21	0.78	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Sep 2021	0908_MW466_210922	Normal	NSW_0908_PFASMGMT	On-base	-	0.04	*0.13*	1.66	**1.79**	2.07	0.04	0.06	0.08	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	16 Nov 2021	0908_MW466_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.41	*16*	3.73	**19.7**	22.6	0.22	0.26	0.40	0.06	0.1	0.30	0.87	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	11 Jan 2022	0908_MW466_220111	Normal	NSW_0908_PFASMGMT	On-base	-	0.25	*16.1*	2.05	**18.2**	20.0	0.12	0.13	0.30	0.08	<0.1	0.21	0.60	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	28 Jan 2022	0908_MW466_220128	Normal	NSW_0908_PFASMGMT	On-base	-	0.25	*17.9*	2.78	**20.7**	22.9	0.16	0.20	0.34	0.05	0.1	0.24	0.68	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	14 Mar 2022	0908_MW466_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.28	*8.33*	2.26	**10.6**	12.4	0.14	0.18	0.17	<0.02	0.2	0.21	0.56	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 May 2022	0908_MW466_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.17	*10*	1.84	**11.8**	13.1	0.11	0.12	0.15	0.04	<0.1	0.12	0.45	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Jun 2022	0908_MW466_220620	Normal	NSW_0908_PFASMGMT	On-base	-	0.17	*11.8*	2.05	**13.8**	15.2	0.10	0.14	0.15	0.06	<0.1	0.14	0.41	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	12 Sep 2022	0908_MW466_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.30	*18.8*	3.33	**22.1**	24.2	0.14	0.20	0.28	0.04	0.1	0.21	0.62	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	10 Nov 2022	0908_MW466_221110	Normal	NSW_0908_PFASOMP	On-base	-	**0.63**	*19.1*	5.72	**24.8**	28.1	0.17	0.30	0.76	0.07	0.1	0.18	0.75	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	10 May 2023	0908_MW466_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.16	*18.4*	1.3	**19.7**	20.6	0.07	0.09	0.19	<0.02	<0.1	0.09	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Nov 2023	0908_MW466_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.30	*17.1*	1.14	**18.2**	19.4	0.05	0.07	0.39	<0.02	<0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	18 Apr 2024	0908_MW466_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.12	*17.7*	1.33	**19**	20.0	0.08	0.11	0.15	0.04	<0.1	0.08	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Sep 2024	0908_MW466_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.18	*5.51*	1.29	**6.8**	7.70	0.07	0.07	0.15	<0.02	<0.1	0.08	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 Nov 2014	MW68_17112014	Normal	NSW_0908_PFAS	On-base	-	**0.71**	*47*	6.6	**53.6**	-	0.68	-	-	0.05	-	0.14	1.6	0.27	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW468	02 Feb 2016	W68_02022016	Normal	NSW_0908_PFAS	On-base	-	0.55	*22.8*	-	**22.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW468	30 Aug 2016	W68_300816	Normal	NSW_0908_PFAS	On-base	-	**0.79**	*37*	9.8	**46.8**	-	0.89	-	-	<0.01	0.05	0.21	2.7	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW468	19 Oct 2016	W68_191016	Normal	NSW_0908_PFAS	On-base	-	0.42	*28*	5.6	**33.6**	-	0.43	-	-	<0.01	0.22	0.2	1.5	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW468	12 Jan 2017	W68_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.37	*45*	3.8	**48.8**	-	0.27	-	-	<0.01	0.12	0.17	1.1	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.02	-	<0.05	-	<0.05	-	-	<0.05	-
MW468	24 Jan 2017	W68_24012017	Normal	NSW_0908_PFAS	On-base	-	**0.65**	*54.4*	7.09	**61.49**	66	0.42	0.57	0.47	<0.02	<0.1	0.38	1.7	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Jan 2017	W68_24012017	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**61.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	02 May 2017	W68_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.48	*29*	6.2	**35.2**	-	<0.3	0.51	0.51	<0.3	<0.3	0.35	1.2	0.23	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW468	20 Apr 2018	W68_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.21	*27.8*	2.42	**30.2**	32.3	0.27	0.32	0.24	0.04	<0.1	0.2	0.74	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	20 Apr 2018	W68_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**30.22**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
MW468	22 Aug 2018	0908_W68_180822	Normal	NSW_0908_PFASMGMT	On-base	-	0.27	*14.9*	4.66	**19.6**	22.2	0.22	0.35	0.24	<0.02	0.1	0.28	0.99	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	14 Sep 2018	0908_W68_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.23	*12.8*	3.07	**15.9**	18.5	0.23	0.28	0.24	<0.02	<0.1	0.27	1.20	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Nov 2018	0908_W68_181129	Normal	NSW_0908_PFAS	On-base	-	0.26	*15.7*	3.69	**19.4**	21.6	0.31	0.35	0.21	<0.02	<0.1	0.19	0.8	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Nov 2018	0908_W68_181129	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**19.39**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	23 Apr 2019	0908_W68_190423	Normal	NSW_0908_PFASMGMT	On-base	-	0.24	*12.5*	3.73	**16.2**	18.5	0.32	0.39	0.26	<0.02	<0.1	0.16	0.77	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 May 2019	0908_W68_190522	Normal	NSW_0908_PFASMGMT	On-base	-	0.13	*8.23*	1.48	**9.71**	10.8	0.06	0.12	0.11	0.03	<0.1	0.17	0.33	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	31 May 2019	0908_W68_190531	Normal	NSW_0908_PFAS	On-base	-	0.11	*7.49*	1.09	**8.58**	9.54	0.06	0.09	0.08	0.03	<0.1	0.2	0.31	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 Jun 2019	0908_W68_190619	Normal	NSW_0908_PFASMGMT	On-base	-	0.08	*5.99*	0.83	**6.82**	7.55	0.03	0.07	0.06	<0.02	<0.1	0.13	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Sep 2019	0908_W68_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.22	*8.58*	2.83	**11.4**	13.7	0.21	0.28	0.15	<0.02	<0.1	0.32	0.91	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	08 Nov 2019	0908_MW468_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.20	*13.2*	3.48	**16.7**	18.8	0.23	0.27	0.17	<0.02	0.1	0.24	0.72	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	03 Dec 2019	0908_W68_191203	Normal	NSW_0908_PFAS	On-base	-	0.05	*3.43*	0.56	**3.99**	4.88	0.06	0.06	0.04	0.02	<0.1	0.22	0.39	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Mar 2020	0908_W68_200316	Normal	NSW_0908_PFASMGMT	On-base	-	<0.05	*1.73*	0.19	**1.92**	1.97	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW468	11 May 2020	0908_MW468_200511	Normal	NSW_0908_PFASOMP	On-base	-	0.32	*11.5*	6.59	**18.1**	22.8	0.62	1.25	0.37	0.03	0.1	0.29	1.36	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	23 Jun 2020	0908_MW468_200623	Normal	NSW_0908_PFASMGMT	On-base	-	0.12	*4.66*	1.41	**6.07**	7.69	0.13	0.16	0.08	0.03	<0.1	0.21	0.53	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.21	<0.05	<0.05	0.07	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	01 Oct 2020	0908_MW468_201001	Normal	NSW_0908_PFASMGMT	On-base	-	0.11	*5.89*	1.38	**7.27**	8.69	0.15	0.21	0.09	0.02	<0.1	0.16	0.45	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.13	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 Nov 2020	0908_MW468_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.20	*7.1*	5.12	**12.2**	15.9	0.59	0.80	0.16	<0.02	0.2	0.27	1.26	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	13 Jan 2021	0908_MW468_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.27	*12.3*	4.95	**17.2**	19.8	0.25	0.48	0.23	0.03	<0.1	0.18	0.69	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.20	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Mar 2021	0908_MW468_210329	Normal	NSW_0908_PFASMGMT	On-base	-	0.06	*3*	0.48	**3.48**	3.78	0.03	0.04	0.04	<0.02	<0.1	0.04	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 May 2021	0908_MW468_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.32	*15.9*	5.59	**21.5**	24.8	0.31	0.52	0.37	0.03	0.2	0.31	0.96	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	23 Jun 2021	0908_MW468_210623	Normal	NSW_0908_PFASMGMT	On-base	-	0.44	*10.8*	5.66	**16.5**	19.7	0.23	0.39	0.24	<0.02	0.2	0.30	1.15	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 Sep 2021	0908_MW468_210922	Normal	NSW_0908_PFASMGMT	On-base	-	0.38	*14.3*	5.62	**19.9**	22.9	0.29	0.39	0.33	<0.02	0.2	0.29	0.84	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Nov 2021	0908_MW468_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.34	*14.9*	5.74	**20.6**	23.5	0.27	0.38	0.26	0.02	0.2	0.28	0.93	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Nov 2021	0908_QC208_211116	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.32	*14*	5.3	**19**	22	0.23	0.34	0.30	<0.02	0.2	0.25	0.87	0.18	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.09	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW468	12 Jan 2022	0908_MW468_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.21	*9.9*	2.14	**12**	13.7	0.12	0.14	0.16	0.02	<0.1	0.18	0.58	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	14 Mar 2022	0908_MW468_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.26	*21.7*	2.72	**24.4**	26.4	0.16	0.21	0.19	0.02	0.1	0.20	0.62	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.14	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 May 2022	0908_MW468_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.29	*16*	3.38	**19.4**	21.7	0.15	0.23	0.30	0.03	0.1	0.23	0.67	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 May 2022	0908_QC210_220519	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.35	*17*	3.6	**21**	23	0.16	0.20	0.29	0.03	0.1	0.24	0.56	0.12	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.12	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW468	20 Jun 2022	0908_MW468_220620	Normal	NSW_0908_PFASMGMT	On-base	-	0.23	*15.4*	3.21	**18.6**	20.1	0.16	0.24	0.22	0.02	<0.1	0.11	0.34	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	12 Sep 2022	0908_MW468_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.31	*16.1*	3.37	**19.5**	21.4	0.12	0.21	0.28	<0.02	0.1	0.18	0.49	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	12 Sep 2022	0908_QC101_220912	Field_D	NSW_0908_PFASMGMT	On-base	-	0.31	*15.6*	3.67	**19.3**	21.2	0.13	0.19	0.28	0.02	0.1	0.19	0.52	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	10 Nov 2022	0908_MW468_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.53	*27.1*	6.57	**33.7**	37.0	0.21	0.34	0.68	<0.02	0.2	0.23	0.94	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	10 May 2023	0908_MW468_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.21	*14*	1.35	**15.4**	16.4	0.07	0.09	0.23	<0.02	<0.1	0.08	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 Nov 2023	0908_MW468_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.14	*10.1*	1.35	**11.4**	12.4	0.06	0.11	0.16	<0.02	<0.1	0.09	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	18 Apr 2024	0908_MW468_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.11	*7.23*	1.11	**8.34**	9.55	0.06	0.09	0.10	<0.02	<0.1	0.11	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.26	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Sep 2024	0908_MW468_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.27	*12.4*	3.34	**15.7**	17.6	0.14	0.17	0.28	0.05	<0.1	0.17	0.54	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	08 Dec 2020	0908_MW731D_201208	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.16	*3.36*	1.86	**5.22**	6.62	0.41	0.15	0.17	<0.02	<0.1	0.07	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	09 May 2024	0908_MW731D_240509	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.58**	*14.5*	6.36	**20.9**	25.9	0.73	0.69	0.68	<0.02	0.2	0.24	1.27	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	23 Sep 2024	0908_MW731D_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.61**	*16.2*	7.28	**23.5**	29.2	0.79	0.76	0.98	<0.02	0.2	0.25	1.40	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	08 Dec 2020	0908_MW731S_201208	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.30	*18.3*	3.28	**21.6**	24.2	0.29	0.29	0.31	<0.02	0.1	0.26	0.75	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	09 Dec 2020	0908_MW731S_201209	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.36	*18.4*	3.7	**22.1**	25.4	0.38	0.34	0.31	<0.02	0.2	0.31	0.94	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	09 Dec 2020	0908_QC200_201209	Interlab_D	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.27	*13*	2.8	**15.8**	-	0.3	0.31	0.2	<0.01	0.17	0.28	0.83	0.17	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.28	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW731S	02 Aug 2024	0908_MW731S_240802	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.59**	*19.6*	5.37	**25**	30.1	0.49	0.58	0.58	0.02	0.3	0.36	1.36	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.19	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	0.02	<0.05
MW731S	23 Sep 2024	0908_MW731S_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.90**	*20.5*	6.34	**26.8**	33.1	0.62	0.63	0.71	0.04	0.3	0.41	1.82	0.36	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	30 Mar 2017	PS9_BORE30_300317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.12	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908_PS9_30_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908_QC111_181206	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908-QC206-181206	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.02	0.014	0.034	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW829	24 May 2019	0908_PS9_BORE30_19052	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Nov 2019	0908_PS9_BORE 30_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	27 May 2020	0908_MW652_200527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	19 Nov 2020	0908_MW829_201119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	25 May 2021	0908_MW829_210525	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	15 Nov 2021	0908_MW829_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	30 May 2022	0908_MW829_220530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	08 Nov 2022	0908_MW829_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	11 May 2023	0908_MW829_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	23 Nov 2023	0908_MW829_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_MW829_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC110_240422	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC210_240422	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.03*	0.02	0.06	0.06	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW829	26 Sep 2024	0908_MW829_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	24 Mar 2017	SK3496_D_24032017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	22 May 2019	0908_SK3496_D_190522	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Risk Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
MW842	25 May 2021	0908_MW842_210525	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	02 Jun 2022	0908_MW842_220602	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	18 May 2023	0908_MW842_230518	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	23 Apr 2024	0908_MW842_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	24 Mar 2017	SK3496_S_24032017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	22 May 2019	0908_SK3496_S_190522	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	25 May 2021	0908_MW844_210525	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	02 Jun 2022	0908_MW844_220602	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	18 May 2023	0908_MW844_230518	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	31 Jul 2024	0908_MW844_240731	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW886	06 Jun 2019	DF1G_MW02_060619	Normal	NSW_0908_FSBGME	On-base	-	0.28	*46.4*	3.96	**50.4**	51.8	0.03	0.08	0.74	<0.02	<0.1	0.06	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW886	29 Apr 2021	0908_MW886_210429	Normal	NSW_0908_PCAEST0013	On-base	-	0.55	*59*	4.3	**63.3**	65.18	0.02	0.03	0.37	<0.01	0.20	0.16	0.39	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW886	23 Apr 2024	0908_MW886_240423	Normal	NSW_0908_PFASOMP_24	On-base	-	0.20	*66.2*	1.8	**68**	69.5	0.05	0.08	0.43	<0.02	<0.1	0.06	0.32	0.05	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	12 Aug 2021	0908_MW897D_210812	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone B	0.02	*1.02*	0.28	**1.3**	1.40	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	12 Aug 2021	0908_QC100_210812	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone B	0.02	*0.92*	0.27	**1.19**	1.28	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_MW897D_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.5*	0.08	**0.58**	0.58	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC111_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.75*	0.07	**0.82**	0.85	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC211_240424	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.55*	0.09	**0.63**	0.65	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW897S	12 Aug 2021	0908_MW897S_210812	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone B	0.02	*0.15*	0.08	**0.23**	0.27	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_MW897S_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.22*	0.04	**0.26**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC113_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.26*	0.04	**0.3**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC213_240424	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	*0.2*	0.03	**0.23**	0.27	0.02	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
POT046	21 Oct 2015	BWS46_211015	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT046	17 Jan 2017	BWS46_170117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.08*	0.03	**0.11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT046	06 Jun 2019	0908_BWS046_190606	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	28 May 2020	0908_POT046_200528	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.11*	0.04	**0.15**	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	13 May 2021	0908_POT046_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.05*	0.04	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	27 May 2022	0908_POT046_220527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01	*0.13*	0.06	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	16 May 2023	0908_POT046_230516	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	27 Oct 2015	BWS85_271015	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT085	06 Dec 2016	BWS085_061216	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.02	*0.03*	<0.02	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT085	18 Jun 2019	0908_BWS085_190618	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	28 May 2020	0908_POT085_200528	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	19 Nov 2021	0908_POT085_211119	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	16 May 2022	0908_POT085_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	15 May 2023	0908_POT085_230515	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	29 Oct 2015	BWS107_291015	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.02	*0.02*	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT107	29 Nov 2016	BWS107_291116	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	*0.05*	0.26	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT107	09 Apr 2018	BWS107_GW_09042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.01	*0.04*	0.07	**0.11**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	04 Jun 2019	0908_BWS107_190604	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	07 Nov 2019	0908_POT107_191107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.02*	0.06	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	26 May 2020	0908_POT107_200526	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	12 May 2021	0908_POT107_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.05	*0.02*	0.03	0.05	0.13	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	31 May 2022	0908_POT107_220531	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.04	*0.04*	0.04	**0.08**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	14 Nov 2022	0908_POT107_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.01	*0.02*	0.01	0.03	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	15 May 2023	0908_POT107_230515	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	0.01	*0.03*	0.02	0.05	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	23 Apr 2024	0908_POT107_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	0.01	*0.02*	0.01	0.03	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	06 Nov 2015	BWS144_061115	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT144	30 Jan 2017	BWS144_300117	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	*0.05*	<0.02	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POT144	04 Jun 2019	0908_BWS144_190604	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	27 May 2020	0908_POT144_200527	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	13 May 2021	0908_POT144_210513	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	16 May 2022	0908_POT144_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	17 May 2023	0908_POT144_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	09 May 2024	0908_POT144_240509	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	24 Aug 2016	BWS236_240816	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	*0.05*	0.03	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	24 Aug 2016	QC99_240816	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	27 Feb 2017	BWS236_270217	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	*0.06*	0.1	**0.16**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT236	03 Jun 2019	0908_BWS236_190603	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01	*0.03*	0.06	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	28 May 2020	0908_POT236_200528	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.04*	0.12	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	12 May 2021	0908_POT236_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	18 May 2022	0908_POT236_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	*0.04*	0.04	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**																														
POT236	16 May 2023	0908_POT236_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	*0.03*	0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	12 Nov 2021	0908_POT382_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	18 May 2022	0908_POT382_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	14 Nov 2022	0908_POT382_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	17 May 2023	0908_POT382_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	28 Nov 2023	0908_POT382_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	23 Apr 2024	0908_POT382_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	20 Sep 2024	0908_POT382_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR Limit of Reporting
Normal Primary sample
Field_D Intra-laboratory duplicate sample
Interlab_D Inter-laboratory duplicate sample
Any historical data identified as anomalous in the databse is not displayed in this table.

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW001	18 Jun 2014	MD1_WATER	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06	*0.82*	0.56	1.38	-	0.04	-	-	<0.01	-	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW001	18 Jun 2014	QC1_WATER	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06	*0.73*	0.52	1.25	-	0.04	-	-	<0.01	-	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW001	26 Jun 2014	QAQC2_WATER	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.13	*5.26*	-	**5.26**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
SW001	13 Jan 2016	MD1_SW_1312016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.109	*2.52*	-	**2.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-
SW001	15 Jan 2016	MD1_SW_15012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.039	*1.42*	-	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW001	14 Dec 2016	MD1_SW_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11	*4.3*	1.13	**5.43**	6.06	0.09	0.09	0.13	<0.02	<0.1	0.04	0.12	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Dec 2016	QC401_20161214	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.1	*5.2*	1.22	**6.42**	7.06	0.08	0.08	0.16	<0.02	<0.1	0.03	0.14	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Dec 2016	QC501_20161214	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.098	*5.5*	6.3	**11.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
SW001	02 Feb 2017	MD1_SW_020217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.08	*3.06*	0.59	**3.65**	3.98	0.04	0.05	0.05	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Feb 2017	MD1_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.05	*0.44*	0.16	0.6	0.6	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW001	16 Feb 2017	MD1_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.17	*6.12*	1.5	**7.62**	8.6	0.1	0.11	0.18	<0.02	0.1	0.07	0.2	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Feb 2017	MD1_SW_240217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11	*3.76*	0.91	**4.67**	5.24	0.07	0.07	0.11	<0.02	<0.1	0.05	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	MD1_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	QC410_SW_020317	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.14*	0.07	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	QC509_02032017	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.02	*0.16*	0.084	0.244	-	<0.01	-	-	<0.02	<0.05	<0.02	0.017	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW001	09 Mar 2017	MD1_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*0.3*	0.23	0.53	0.62	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	16 Mar 2017	MD1_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.1*	0.02	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	23 Mar 2017	MD1_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*1.11*	0.34	1.45	1.63	0.03	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0330	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0331	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0445	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0500	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0600	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.09*	0.02	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0615	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0630	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_ 0645	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	31 Mar 2017	MD1_AS_310317_2345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*1.06*	0.45	1.51	1.74	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	31 Mar 2017	MD1_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.33*	0.14	0.47	0.49	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0000	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.28*	0.09	0.37	0.39	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0015	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.27*	0.07	0.34	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0030	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.23*	0.06	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.22*	0.06	0.28	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_545	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*0.68*	0.34	1.02	1.17	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_600	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*0.84*	0.3	1.14	1.29	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_615	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01	*0.37*	0.12	0.49	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_630	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.29*	0.1	0.39	0.39	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_745	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.16*	0.05	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_800	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_815	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_830	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*0.08*	<0.02	0.08	0.61	<0.02	<0.02	<0.02	<0.02	<0.1	0.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_845	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.09*	0.02	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.11*	0.02	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1445	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03	*0.72*	0.26	0.98	1.63	0.04	0.04	<0.02	<0.02	<0.1	0.5	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1700	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*1.05*	0.54	1.59	1.83	0.06	0.06	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1715	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.8*	0.27	1.07	1.7	0.03	0.03	<0.02	<0.02	<0.1	0.52	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1730	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.39*	0.1	0.49	1.05	<0.02	<0.02	<0.02	<0.02	<0.1	0.54	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Apr 2017	MD1_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03	*0.8*	0.38	1.18	1.34	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0230	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03	*4.31*	1.13	**5.44**	6.53	0.1	0.12	0.07	<0.02	<0.1	0.52	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.11*	0.02	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0400	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.12*	0.03	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0415	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.17*	0.04	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.18*	0.05	0.23	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0445	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.22*	0.07	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0500	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.21*	0.07	0.28	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 May 2017	MD1_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11	*4.35*	2.59	**6.94**	-	0.19	0.28	0.22	<0.02	<0.1	<0.02	0.28	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Jun 2017	MD1_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07	*2.23*	1.25	**3.48**	4.64	0.21	0.16	0.12	<0.02	<0.1	0.1	0.47	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Jul 2017	MD1_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11	*3.71*	2.44	**6.15**	7.58	0.22	0.3	0.22	<0.02	<0.1	0.08	0.43	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	12 Apr 2018	MD1_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06	*3.14*	0.55	**3.69**	4.03	0.03	0.04	0.07	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**	**Perfluorooctanoic acid (PFOA)**	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
SW001	06 Dec 2018	0908_MD1_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07	2.92	0.68	**3.6**	4.03	0.04	0.05	0.07	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Apr 2019	0908_MD01_190409	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.12	4.83	1.25	**6.08**	-	0.08	0.11	0.14	<0.02	0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Jun 2019	0908_MD1_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03	2.45	0.38	**2.83**	2.98	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Nov 2019	0908_MD1_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.08	<0.02	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Jun 2020	0908_SW001_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	2.24	0.48	**2.72**	2.99	0.03	0.03	0.06	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	27 Oct 2020	0908_SW001_201027	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	<0.04	0.49	0.20	0.69	0.69	<0.04	<0.04	<0.04	<0.02	<0.1	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Oct 2020	0908_QC100_201028	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	<0.05	0.60	0.25	0.85	0.93	<0.05	<0.05	<0.05	<0.02	<0.1	<0.05	0.08	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Oct 2020	0908_SW001_201028	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	<0.05	0.66	0.23	0.89	0.95	<0.05	<0.05	<0.05	<0.02	<0.1	<0.05	0.06	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Nov 2020	0908_QC102_201120	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12	6.86	1.68	**8.54**	9.58	0.15	0.16	0.19	<0.02	<0.1	0.06	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Nov 2020	0908_QC202_201120	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	2.6	1	**3.6**	-	0.09	0.097	0.082	<0.01	<0.05	0.039	0.18	0.028	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	20 Nov 2020	0908_SW001_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.13	5.3	1.67	**6.97**	8.05	0.16	0.16	0.19	<0.02	<0.1	0.06	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 Dec 2020	0908_QC100_201218	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	1.89	0.42	**2.31**	2.53	0.03	0.03	0.04	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 Dec 2020	0908_QC200_201218	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	1.8	0.44	**2.24**	-	0.022	0.026	0.035	<0.01	<0.05	0.024	0.072	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	18 Dec 2020	0908_SW001_201218	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	1.85	0.39	**2.24**	2.45	0.03	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.81	0.2	1.01	1.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211610	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.45	0.09	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211710	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.39	0.09	0.48	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211810	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.49	0.14	0.63	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211910	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.69	0.16	0.85	0.89	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212010	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.57	0.14	0.71	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212110	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.62	0.14	0.76	0.79	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212210	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.59	0.13	0.72	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212310	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.44	0.1	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220010	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.45	0.09	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220110	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.27	0.06	0.33	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220210	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.36	0.1	0.46	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220310	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.46	0.14	0.6	0.62	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220410	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.62	0.18	0.8	0.84	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.79	0.25	1.04	1.12	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220610	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.04	0.31	1.35	1.46	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220710	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.17	0.32	1.49	1.60	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220810	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.09	0.34	1.43	1.56	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_QC102_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.89	0.28	1.17	1.25	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_QC202_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.019	0.91	0.26	1.17	-	0.01	0.011	0.014	<0.01	<0.05	<0.02	0.038	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	28 Jan 2021	0908_SW001_2101281650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.96	0.28	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.94	0.3	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.48	0.13	0.61	0.64	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.38	0.1	0.48	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.43	0.12	0.55	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01	0.35	0.1	0.45	0.45	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.43	0.14	0.57	0.61	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.52	0.14	0.66	0.70	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_210129	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.03	0.29	1.32	1.43	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	0.64	0.19	0.83	0.87	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.68	0.21	0.89	0.95	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.76	0.27	1.03	1.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.94	0.3	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290450	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.94	0.32	1.26	1.38	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290550	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.03	0.32	1.35	1.46	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	1.49	0.45	1.94	2.15	0.03	0.02	0.03	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	1.28	0.36	1.64	1.78	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	1.45	0.44	1.89	2.09	0.02	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	1.49	0.4	1.89	2.10	0.02	0.03	0.04	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.05	0.3	1.35	1.45	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.04	0.31	1.35	1.48	0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	1.06	0.29	1.35	1.48	0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.84	0.23	1.07	1.18	0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291450	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.84	0.24	1.08	1.17	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291550	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	0.9	0.27	1.17	1.26	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**										**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**							
							Perfluorooctanoic acid (PFOA)	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW001	19 Feb 2021	0908_SW001_210219	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	*0.76*	0.16	0.92	0.98	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	26 Mar 2021	0908_SW001_210326	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*1.64*	0.47	**2.11**	2.37	0.02	0.03	0.04	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	23 Apr 2021	0908_SW001_210423	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*2.02*	0.61	**2.63**	2.99	0.05	0.06	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 May 2021	0908_SW001_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09	*3.93*	1.16	**5.09**	5.84	0.12	0.13	0.12	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Jun 2021	0908_SW001_210625	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	*1.31*	0.37	1.68	1.86	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Jul 2021	0908_SW001_210709	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.02	*1*	0.22	1.22	1.32	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	30 Jul 2021	0908_SW001_210730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07	*5.57*	0.72	**6.29**	6.71	0.04	0.05	0.07	<0.02	<0.1	0.04	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Aug 2021	0908_SW001_210820	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*2.75*	0.52	**3.27**	3.60	0.03	0.04	0.06	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	27 Sep 2021	0908_SW001_210927	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*2.21*	0.48	**2.69**	2.94	0.02	0.03	0.04	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Oct 2021	0908_SW001_211025	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*2.63*	0.47	**3.1**	3.40	0.03	0.04	0.05	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	19 Nov 2021	0908_QC114_211119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*2.3*	0.53	**2.83**	3.19	0.07	0.03	0.05	<0.02	<0.1	0.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	19 Nov 2021	0908_SW001_211119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*2.18*	0.45	**2.63**	2.94	0.05	0.04	0.04	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 May 2022	0908_SW001_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	*1.65*	0.37	**2.02**	2.25	0.02	0.03	0.04	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	13 Jul 2022	0908_QC100_220713	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01	*0.63*	0.11	0.74	0.78	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	13 Jul 2022	0908_SW001_220713	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01	*0.59*	0.1	0.69	0.73	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01	*0.83*	0.21	0.98	1.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	-	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01	*0.76*	0.2	0.92	1.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	-	-	-	0.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW001	08 Nov 2022	0908_SW001_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	*1.46*	0.34	1.8	1.99	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	08 May 2023	0908_SW001_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.04	*2.16*	0.41	**2.57**	2.80	<0.02	0.03	0.04	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Nov 2023	0908_SW001_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.02	*1.16*	0.24	1.4	1.54	0.03	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Apr 2024	0908_SW001_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04	*2.5*	0.49	**2.99**	3.32	0.03	0.04	0.04	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Sep 2024	0908_QC101_240905	Field_D	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.03	*1.48*	0.31	1.79	1.95	<0.02	0.02	0.03	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Sep 2024	0908_QC201_240905	Interlab_D	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.02	*1.2*	0.33	1.5	1.7	0.01	0.02	0.02	<0.02	0.02	0.02	0.06	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW001	05 Sep 2024	0908_SW001_240905	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.03	*1.49*	0.3	1.79	1.94	<0.02	0.02	0.03	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Sep 2024	0908_SW001_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03	*1.9*	0.4	**2.3**	2.46	<0.02	<0.02	0.03	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Nov 2024	0908_SW001_241120	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.03	*1.62*	0.35	1.97	2.16	<0.02	0.02	0.03	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 Jun 2014	MD5_WATER	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.01	*0.03*	0.15	0.18	-	0.02	-	-	<0.01	-	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW005	25 Jan 2016	MD5_SW_2512016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
SW005	20 Dec 2016	MD5_SW_161220	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	02 Feb 2017	MD5_SW_020217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
SW005	09 Feb 2017	MD5_SW_090217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05	*0.12*	0.14	0.26	0.26	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	16 Feb 2017	MD5_SW_16022017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05	*0.05*	<0.05	0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	24 Feb 2017	MD5_SW_240217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	02 Mar 2017	MD5_SW_020317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	09 Mar 2017	MD5_SW_090317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05	*0.05*	<0.05	0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	0.08	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	17 Mar 2017	MD5_SW_20170317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	23 Mar 2017	MD5_SW_23032017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.17*	0.08	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Mar 2017	MD5_SW_300317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	06 Apr 2017	MD5_SW_060417	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.03	*0.84*	0.38	1.22	1.38	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	04 May 2017	MD5_SW_040517	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.05	*1.94*	0.92	**2.86**	-	0.05	0.08	0.09	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	01 Jun 2017	MD5_SW_010617	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.33*	0.22	0.55	0.55	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	MD5_SW_200717	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.03	*1.21*	0.52	1.73	1.98	0.04	0.05	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	QC418_SW_200717	Field_D	NSW_0908_PFAS	Broader Management Zone	Region 1	0.03	*1.21*	0.54	1.75	1.98	0.03	0.05	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	QC518_SW_200717	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Region 1	0.034	*1.4*	0.5	1.9	-	0.039	-	-	<0.02	<0.05	0.022	0.094	0.015	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW005	12 Apr 2018	MD5_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.08*	<0.02	0.1	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	12 Apr 2018	MD5_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	-	-	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW005	06 Dec 2018	0908_MD5_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW005	06 Nov 2019	0908_MD5_SW_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	04 Jun 2020	0908_SW005_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.84*	0.43	1.27	1.53	0.04	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Nov 2020	0908_SW005_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.07	*3.41*	0.81	**4.22**	4.71	0.06	0.06	0.07	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 Dec 2020	0908_SW005_201218	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.29*	0.07	0.36	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03	*1.35*	0.4	1.75	1.99	0.06	0.04	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220620	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.25*	0.37	1.62	1.81	0.04	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220720	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.97*	0.25	1.22	1.31	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.88*	0.24	1.12	1.26	<0.02	<0.02	0.02	<0.02	<0.1	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Region	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW005	22 Dec 2020	0908_SW005_2012220920	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.84*	0.23	1.07	1.15	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221020	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.93*	0.24	1.17	1.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.85*	0.22	1.07	1.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221220	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.9*	0.23	1.13	1.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221320	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.94*	0.21	1.15	1.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221420	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.89*	0.21	1.1	1.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.93*	0.21	1.14	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221620	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.99*	0.22	1.21	1.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221720	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.07*	0.22	1.29	1.37	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.06*	0.22	1.28	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221920	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03	*1.23*	0.31	1.54	1.70	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222020	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.97*	0.23	1.2	1.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.84*	0.23	1.07	1.15	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222220	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.9*	0.25	1.15	1.23	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222320	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.91*	0.24	1.15	1.23	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230020	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.96*	0.25	1.21	1.29	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.96*	0.26	1.22	1.32	0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230220	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.33*	0.35	1.68	1.84	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230320	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03	*1.42*	0.37	1.79	1.97	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230420	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.12*	0.32	1.44	1.59	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_QC101_210129	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.12*	0.24	1.36	1.44	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_QC201_210129	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.013	*0.93*	0.19	1.12	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW005	29 Jan 2021	0908_SW005_210129	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.07*	0.28	1.35	1.55	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.06*	0.23	1.29	1.38	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.05*	0.23	1.28	1.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.97*	0.21	1.18	1.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.08*	0.24	1.32	1.41	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.04*	0.21	1.25	1.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.06*	0.23	1.29	1.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.92*	0.2	1.12	1.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.99*	0.22	1.21	1.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.95*	0.21	1.16	1.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.94*	0.2	1.14	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.87*	0.2	1.07	1.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.96*	0.21	1.17	1.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.95*	0.21	1.16	1.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.01	*0.95*	0.21	1.16	1.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.05*	0.22	1.27	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.22*	0.3	1.52	1.71	0.05	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.27*	0.28	1.55	1.65	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.19*	0.26	1.45	1.57	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.14*	0.25	1.39	1.48	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.03*	0.22	1.25	1.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.07*	0.23	1.3	1.39	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.08*	0.22	1.3	1.37	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101301040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.03*	0.22	1.25	1.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101301140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.05*	0.22	1.27	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	19 Feb 2021	0908_QC100_210219	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03	*1.56*	0.37	1.93	2.15	0.02	0.03	0.04	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	19 Feb 2021	0908_QC200_210219	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.024	*1.1*	0.26	1.36	-	0.017	0.017	0.02	<0.01	<0.05	<0.02	0.042	0.012	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW005	19 Feb 2021	0908_SW005_210219	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.36*	0.34	1.7	1.86	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	26 Mar 2021	0908_SW005_210326	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.01	*0.38*	0.14	0.52	0.56	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Apr 2021	0908_SW005_210423	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.04	*1.35*	0.53	1.88	2.15	0.04	0.04	0.04	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	11 May 2021	0908_SW005_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.58*	0.23	0.81	0.89	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	25 Jun 2021	0908_SW005_210625	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.41*	0.14	0.55	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jul 2021	0908_SW005_210730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03	*1.32*	0.43	1.75	1.96	0.03	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Aug 2021	0908_SW005_210820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.81*	0.3	1.11	1.25	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	27 Sep 2021	0908_SW005_210927	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.87*	0.23	1.1	1.19	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	25 Oct 2021	0908_SW005_211025	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.15*	0.06	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	17 Nov 2021	0908_SW005_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.71*	0.29	1	1.11	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW005	18 May 2022	0908_SW005_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.68*	0.25	1.93	2.03	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	08 Nov 2022	0908_QC108_221108	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.24*	0.12	0.36	0.38	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	08 Nov 2022	0908_QC208_221108	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.17*	0.09	0.27	0.29	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	08 Nov 2022	0908_SW005_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.24*	0.09	0.33	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	09 May 2023	0908_QC111_230509	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01	*0.22*	0.09	0.31	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	09 May 2023	0908_QC211_230509	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01	*0.25*	0.11	0.36	0.39	<0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	09 May 2023	0908_SW005_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01	*0.37*	0.09	0.46	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	21 Nov 2023	0908_SW005_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01	*0.04*	<0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	16 Apr 2024	0908_QC103_240416	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.01	*0.8*	0.16	0.96	1.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	16 Apr 2024	0908_QC203_240416	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02	*0.86*	0.21	1.1	1.2	0.01	0.01	0.02	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	16 Apr 2024	0908_SW005_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.01	*0.66*	0.16	0.82	0.87	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	27 Sep 2024	0908_SW005_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02	*0.54*	0.22	0.76	0.82	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Jun 2014	MD6_WATER	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.04*	0.09	0.13	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW006	13 Jan 2016	MD6_SW_1312016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.007	*0.352*	-	0.352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW006	15 Jan 2016	MD6_SW_15012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.008	*0.112*	-	0.112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW006	16 Mar 2017	MD6_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	17 Mar 2017	QC412_SW_2017317	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.05	*0.36*	0.24	0.6	0.6	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW006	23 Mar 2017	MD6_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Mar 2017	QC413_SW_23032017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Mar 2017	QC512_SW_230317	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.02	*0.02*	<0.02	0.02	-	<0.01	-	-	<0.02	<0.05	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW006	31 Mar 2017	MD6_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	05 Apr 2017	MD6_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01	*0.07*	0.09	0.16	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	04 May 2017	MD6_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.09*	0.08	0.17	-	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	01 Jun 2017	MD6_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.13*	0.22	0.35	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	20 Jul 2017	MD6_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.11*	0.06	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	12 Apr 2018	MD6_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*0.26*	0.16	0.42	0.49	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	06 Dec 2018	0908_MD6_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*0.83*	0.26	1.09	1.24	<0.02	0.02	<0.02	<0.02	<0.1	0.03	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	14 Jun 2019	0908_MD6_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.44*	0.13	0.57	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	05 Nov 2019	0908_MD6_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	*0.11*	0.32	0.43	0.58	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	02 Jun 2020	0908_SW006_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*2.7*	0.45	**3.15**	3.35	<0.02	0.02	<0.02	<0.02	<0.1	0.06	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	20 Nov 2020	0908_SW006_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10	*8.81*	1.17	**9.98**	10.8	0.05	0.06	0.09	0.03	<0.1	0.12	0.30	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	11 May 2021	0908_SW006_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16	*14.3*	1.62	**15.9**	17.0	0.06	0.10	0.14	<0.02	<0.1	0.15	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	17 Nov 2021	0908_SW006_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.14	*12*	1.49	**13.5**	14.5	0.06	0.07	0.10	<0.02	<0.1	0.13	0.44	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	18 May 2022	0908_SW006_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12	*18.8*	1.05	**19.8**	20.8	0.04	0.06	0.14	0.05	<0.1	0.11	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	13 Jul 2022	0908_SW006_220713	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.05	*4.04*	0.47	**4.51**	4.93	0.03	0.04	0.03	<0.02	<0.1	0.04	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	08 Nov 2022	0908_SW006_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07	*9.92*	0.64	**10.6**	11.1	0.03	0.05	0.07	<0.02	<0.1	0.07	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	08 May 2023	0908_SW006_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.07	*6.13*	0.64	**6.77**	7.34	0.04	0.04	0.07	<0.02	<0.1	0.07	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	24 Apr 2024	0908_SW006_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	<0.01	*0.81*	0.32	1.13	1.26	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	25 Sep 2024	0908_SW006_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03	*1.27*	0.63	1.9	2.21	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	13 Jan 2016	MD7_SW_1312016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.029	*0.852*	-	0.852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW007	15 Jan 2016	MD7_SW_15012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.017	*0.299*	-	0.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW007	14 Dec 2016	MD7_SW_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01	*0.98*	0.36	1.34	1.51	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	02 Feb 2017	MD7_SW_020217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*1.26*	0.22	1.48	1.5	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	09 Feb 2017	MD7_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.23*	0.06	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Feb 2017	MD7_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.05	*1.14*	0.26	1.4	1.4	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW007	02 Mar 2017	MD7_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.57*	0.38	0.95	0.97	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	09 Mar 2017	MD7_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01	*0.81*	0.27	1.08	1.13	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Mar 2017	MD7_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*1.12*	0.44	1.56	1.68	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	23 Mar 2017	MD7_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07	*8.11*	0.73	**8.84**	9.37	0.03	0.04	0.08	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	31 Mar 2017	MD7_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01	*0.79*	0.24	1.03	1.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Apr 2017	MD7_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.18	*11.8*	2.91	**14.7**	16.2	0.12	0.17	0.19	<0.02	<0.1	0.12	0.67	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Apr 2017	MD7_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	-	-	-	**14.71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW007	04 May 2017	MD7_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.34	*20.2*	4.5	**24.7**	-	0.13	0.27	0.44	<0.02	<0.1	<0.02	1.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	01 Jun 2017	MD7_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.25	*3.06*	3.06	**6.12**	8.18	0.18	0.22	0.14	<0.02	<0.1	0.15	1	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Jul 2017	MD7_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.21	*31.4*	4.79	**36.19**	37.5	0.09	0.15	0.28	<0.02	<0.1	0.1	0.42	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Jul 2017	MD7_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	-	-	-	**36.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW007	12 Apr 2018	MD7_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.09	*2.64*	1.01	**3.65**	4.35	0.04	0.06	0.07	<0.02	<0.1	0.07	0.33	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Apr 2018	QC100_SW_12042018	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.09	*2.8*	1.03	**3.83**	4.57	0.04	0.07	0.07	<0.02	<0.1	0.08	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Apr 2018	QC200_SW_12042018	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.067	*2.6*	0.96	**3.56**	-	0.044	0.064	0.048	<0.01	0.052	0.065	0.27	0.037	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW007	06 Dec 2018	0908_MD7_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11	*7.34*	1.35	**8.69**	9.46	0.06	0.09	0.1	<0.02	<0.1	0.08	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	14 Jun 2019	0908_MD7_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*2.67*	0.32	**2.99**	3.1	0.02	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Nov 2019	0908_MD7_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*4.92*	0.42	**5.34**	5.94	<0.02	0.03	0.04	<0.02	<0.1	0.12	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	02 Jun 2020	0908_SW007_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.44	*23.3*	3.67	**27**	30.4	0.13	0.21	0.30	<0.02	0.2	0.46	1.22	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.21	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Nov 2020	0908_SW007_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.26	*19.9*	2.13	**22**	23.6	0.08	0.11	0.21	<0.02	<0.1	0.25	0.54	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	18 Dec 2020	0908_SW007_201218	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*5.06*	0.44	**5.5**	5.81	<0.02	0.02	0.04	<0.02	<0.1	0.05	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*4.62*	0.25	**4.87**	5.12	0.03	<0.02	0.03	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*4.1*	0.25	**4.35**	4.60	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*3.73*	0.27	**4**	4.23	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*1.96*	0.12	**2.08**	2.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	*1.43*	0.1	1.53	1.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	*1.43*	0.1	1.53	1.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*1.7*	0.14	1.84	2.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*2.09*	0.2	**2.29**	2.57	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	*2.62*	0.23	**2.85**	3.16	<0.02	<0.02	0.02	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*2.24*	0.21	**2.45**	2.69	<0.02	<0.02	0.02	<0.02	<0.1	0.03	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*1.9*	0.16	**2.06**	2.23	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*1.65*	0.12	1.77	1.83	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220450	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	*1.28*	0.1	1.38	1.42	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220550	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	*1.22*	0.1	1.32	1.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01	*1.43*	0.13	1.56	1.61	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*1.74*	0.16	1.9	2.05	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02	*2.37*	0.23	**2.6**	2.78	<0.02	<0.02	0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	*2.74*	0.26	**3**	3.24	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*2.94*	0.32	**3.26**	3.54	<0.02	<0.02	0.03	<0.02	<0.1	0.04	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*3.37*	0.36	**3.73**	4.08	<0.02	0.02	0.04	<0.02	<0.1	0.04	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*3.66*	0.42	**4.08**	4.47	<0.02	0.03	0.04	<0.02	<0.1	0.05	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*4.76*	0.53	**5.29**	5.77	0.02	0.03	0.05	<0.02	<0.1	0.06	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_QC103_210129	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11	*9.64*	1.16	**10.8**	11.5	0.04	0.07	0.10	<0.02	<0.1	0.08	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_QC203_210129	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.094	*7.2*	0.94	**8.14**	-	0.033	0.051	0.061	<0.01	0.057	0.09	0.21	0.044	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW007	29 Jan 2021	0908_SW007_210129	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10	*7.3*	0.86	**8.16**	8.73	0.03	0.05	0.07	<0.02	<0.1	0.09	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.13	*9.76*	1.35	**11.1**	12.0	0.05	0.08	0.14	<0.02	<0.1	0.10	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12	*9.88*	1.22	**11.1**	11.9	<0.02	0.07	0.12	<0.02	<0.1	0.15	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12	*10.2*	1.08	**11.3**	12.0	0.02	0.06	0.12	<0.02	<0.1	0.06	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10	*8.36*	0.89	**9.25**	9.79	<0.02	0.05	0.10	<0.02	<0.1	0.05	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08	*6.9*	0.67	**7.57**	8.10	<0.02	0.03	0.08	<0.02	<0.1	0.04	0.27	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*6.07*	0.54	**6.61**	6.95	<0.02	0.03	0.05	<0.02	<0.1	0.05	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07	*5.58*	0.59	**6.17**	6.56	<0.02	0.03	0.06	<0.02	<0.1	0.06	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*5.83*	0.6	**6.43**	6.80	0.02	0.03	0.06	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*5.52*	0.53	**6.05**	6.40	<0.02	0.03	0.06	<0.02	<0.1	0.05	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*4.13*	0.44	**4.57**	4.81	<0.02	0.02	0.04	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*5.13*	0.61	**5.74**	6.17	<0.02	0.03	0.06	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*6.23*	0.67	**6.9**	7.32	<0.02	0.04	0.06	<0.02	<0.1	0.08	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07	*6.14*	0.72	**6.86**	7.40	<0.02	0.04	0.07	<0.02	<0.1	0.06	0.27	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09	*7.16*	0.86	**8.02**	8.65	0.02	0.05	0.08	<0.02	<0.1	0.04	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09	*6.78*	0.85	**7.63**	8.21	<0.02	0.04	0.08	<0.02	<0.1	0.04	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09	*7.36*	0.95	**8.31**	9.04	0.02	0.06	0.09	<0.02	<0.1	0.08	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09	*7.7*	0.88	**8.58**	9.23	0.03	0.05	0.09	<0.02	<0.1	0.04	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09	*7.49*	0.87	**8.36**	8.88	<0.02	0.05	0.08	<0.02	<0.1	0.07	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10	*7.66*	0.95	**8.61**	9.20	0.03	0.05	0.09	<0.02	<0.1	0.07	0.21	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10	*8.38*	1	**9.38**	10.0	0.03	0.06	0.09	<0.02	<0.1	0.07	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12	*8.56*	1.11	**9.67**	10.4	0.04	0.06	0.10	<0.02	<0.1	0.08	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10	*8.43*	1.02	**9.45**	10.1	0.04	0.06	0.09	<0.02	<0.1	0.08	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11	*8.6*	1.13	**9.73**	10.4	0.04	0.07	0.10	<0.02	<0.1	0.09	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	19 Feb 2021	0908_SW007_210219	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	*3.07*	0.22	**3.29**	3.43	<0.02	<0.02	0.02	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	26 Mar 2021	0908_SW007_210326	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12	*9.48*	1.3	**10.8**	11.7	0.05	0.08	0.08	<0.02	<0.1	0.12	0.33	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	23 Apr 2021	0908_SW007_210423	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16	*10.3*	1.62	**11.9**	13.0	0.07	0.11	0.14	<0.02	<0.1	0.13	0.36	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	11 May 2021	0908_SW007_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.15	*10.3*	1.5	**11.8**	12.8	0.07	0.09	0.14	<0.02	<0.1	0.13	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Jun 2021	0908_SW007_210625	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.15	*15.7*	1.55	**17.2**	18.2	0.05	0.10	0.15	<0.02	<0.1	0.12	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW007	30 Jul 2021	0908_SW007_210730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.20	*18.2*	1.81	**20**	21.2	0.07	0.10	0.16	<0.02	<0.1	0.16	0.46	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Aug 2021	0908_SW007_210820	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.13	*11.9*	1.09	**13**	13.9	0.04	0.06	0.10	<0.02	<0.1	0.20	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	27 Sep 2021	0908_QC100_210927	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*6.71*	0.55	**7.26**	7.62	<0.02	0.03	0.05	<0.02	<0.1	0.04	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	27 Sep 2021	0908_QC200_210927	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.057	*6.1*	0.55	**6.65**	-	0.019	0.029	0.04	<0.01	<0.05	0.048	0.13	0.025	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.021	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW007	27 Sep 2021	0908_SW007_210927	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*6.82*	0.58	**7.4**	7.75	0.02	0.03	0.04	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Oct 2021	0908_QC100_211025	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07	*11.7*	0.59	**12.3**	12.7	0.02	0.04	0.06	<0.02	<0.1	0.06	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Oct 2021	0908_QC200_211025	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09	*15*	0.67	**16**	16	0.02	0.04	0.09	<0.02	0.07	0.07	0.18	0.04	0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW007	25 Oct 2021	0908_SW007_211025	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07	*12.4*	0.63	**13**	13.5	0.02	0.04	0.06	<0.02	<0.1	0.07	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Nov 2021	0908_QC116_211116	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16	*10.5*	1.35	**11.8**	12.9	0.07	0.08	0.10	<0.02	<0.1	0.12	0.42	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Nov 2021	0908_SW007_211116	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16	*12.8*	1.54	**14.3**	15.5	0.08	0.09	0.12	<0.02	<0.1	0.13	0.48	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	18 May 2022	0908_SW007_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11	*11.2*	1	**12.2**	13.0	0.04	0.06	0.11	<0.02	<0.1	0.09	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	13 Jul 2022	0908_SW007_220713	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.07	*6.32*	0.65	**6.97**	7.55	0.04	0.05	0.04	<0.02	<0.1	0.06	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Aug 2022	0908_QC101_220812	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.07	*7.24*	0.85	**8.09**	8.60	0.04	0.06	0.06	<0.02	<0.1	0.06	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Aug 2022	0908_SW007_220812	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.06	*7.43*	0.8	**8.23**	8.74	0.05	0.06	0.05	<0.02	<0.1	0.06	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	08 Nov 2022	0908_SW007_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11	*13.9*	0.95	**14.8**	15.6	0.04	0.07	0.11	<0.02	<0.1	0.08	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	08 May 2023	0908_SW007_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.07	*7.27*	0.66	**7.93**	8.52	0.03	0.04	0.07	<0.02	<0.1	0.07	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Nov 2023	0908_SW007_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	<0.01	*0.47*	0.06	0.53	0.58	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	24 Apr 2024	0908_SW007_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.16	*13*	1.57	**14.6**	16.0	0.05	0.11	0.21	<0.02	<0.1	0.16	0.58	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Sep 2024	0908_SW007_240905	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.05	*2.32*	0.64	**2.96**	3.36	0.05	0.08	0.07	<0.02	<0.1	0.03	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Sep 2024	0908_SW007_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.05	*4.85*	0.7	**5.55**	5.85	<0.02	0.03	0.04	<0.02	<0.1	0.04	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Nov 2024	0908_SW007_241120	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.13	*9.90*	1.09	**11.0**	11.8	0.04	0.06	0.12	<0.02	<0.1	0.09	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Jan 2016	MD8_SW_28012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06	*2.2*	-	**2.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
SW009	14 Dec 2016	MD8_SW_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11	*3.84*	2.1	**5.94**	6.82	0.13	0.14	0.2	<0.02	<0.1	0.04	0.2	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Mar 2017	MD8_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02	*0.91*	0.18	1.09	1.17	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	01 May 2018	MD8_SW_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.05	*1.26*	0.56	1.82	2.2	0.05	0.06	0.04	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	07 Dec 2018	0908_MD8_SW_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07	*2.2*	1.01	**3.21**	3.84	0.1	0.1	0.1	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	13 Jun 2019	0908_MD8_SW_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03	*0.69*	0.66	1.35	1.68	0.07	0.09	<0.02	<0.02	<0.1	<0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	06 Nov 2019	0908_MD8_SW_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*2.68*	0.62	**3.3**	4.00	0.05	0.07	0.04	<0.02	<0.1	0.08	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	24 Jun 2020	0908_SW009_200624	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08	*2.22*	1.2	**3.42**	4.19	0.12	0.12	0.12	<0.02	<0.1	0.06	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	04 Dec 2020	0908_SW009_201204	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07	*4.09*	0.93	**5.02**	5.60	0.06	0.09	0.09	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	11 May 2021	0908_SW009_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08	*4.72*	1.05	**5.77**	6.43	0.08	0.08	0.07	<0.02	<0.1	0.08	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	17 Nov 2021	0908_SW009_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06	*2.23*	0.79	**3.02**	3.50	0.06	0.06	0.08	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	17 May 2022	0908_SW009_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08	*7.95*	0.82	**8.77**	9.36	0.04	0.06	0.08	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 Nov 2022	0908_SW009_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*2.45*	0.58	**3.03**	3.42	0.04	0.06	0.05	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 May 2023	0908_QC102_230508	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.07	*4.38*	0.93	**5.31**	5.92	0.06	0.08	0.08	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 May 2023	0908_QC202_230508	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.06	*3.9*	1.1	**4.9**	5.5	0.05	0.08	0.07	<0.02	<0.02	0.06	0.23	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	08 May 2023	0908_SW009_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.08	*4.36*	0.83	**5.19**	5.84	0.06	0.09	0.08	<0.02	<0.1	0.06	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Nov 2023	0908_QC111_231128	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05	*0.96*	0.62	1.58	1.87	0.03	0.03	0.06	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Nov 2023	0908_QC211_231128	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05	*0.9*	0.68	1.6	1.9	0.03	0.05	0.08	<0.02	<0.02	0.03	0.1	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	28 Nov 2023	0908_SW009_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05	*0.96*	0.58	1.54	1.83	0.03	0.03	0.06	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	22 Apr 2024	0908_QC112_240422	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03	*1.42*	0.36	1.78	1.96	<0.02	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	22 Apr 2024	0908_QC212_240422	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04	*1.5*	0.44	1.9	2.2	0.02	0.03	0.04	<0.02	<0.02	0.03	0.10	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	22 Apr 2024	0908_SW009_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03	*1.53*	0.39	1.92	2.12	<0.02	0.03	0.04	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Sep 2024	0908_QC104_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.05	*1.46*	0.61	**2.07**	2.39	0.03	0.04	0.07	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Sep 2024	0908_QC204_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04	*1.5*	0.62	**2.1**	2.4	0.03	0.04	0.08	<0.02	<0.02	0.02	0.08	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	23 Sep 2024	0908_SW009_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04	*1.56*	0.58	**2.14**	2.40	0.02	0.04	0.04	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	12 Feb 2016	MD10_SW_12022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06	*1.38*	1.4	**2.78**	4.28	0.11	0.12	0.1	<0.02	<0.1	0.05	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	12 Feb 2016	QC103_SW_12022016	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.05	*1.34*	1.38	**2.72**	4.33	0.11	0.12	0.1	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	23 Mar 2017	MD10_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.04	*1.17*	0.54	1.71	1.98	0.04	0.04	0.05	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	07 Dec 2018	0908_MD10_SW_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03	*0.82*	0.43	1.25	1.53	0.04	0.05	0.04	<0.02	<0.1	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	13 Jun 2019	0908_MD10_SW_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01	*0.26*	0.28	0.54	0.59	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	06 Oct 2019	0908_MD10_SW_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04	*1.11*	0.66	1.77	2.36	0.07	0.08	0.04	<0.02	<0.1	0.10	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	19 Jun 2020	0908_SW011_200619	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08	*3.31*	1.01	**4.32**	5.13	0.09	0.11	0.10	<0.02	0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	04 Dec 2020	0908_QC108_201204	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*2.14*	0.73	**2.87**	3.28	0.06	0.07	0.07	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	04 Dec 2020	0908_QC208_201204	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.044	*2.4*	0.78	**3.18**	-	0.053	0.06	0.047	<0.01	<0.05	0.037	0.13	0.022	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW011	04 Dec 2020	0908_SW011_201204	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05	*2.19*	0.7	**2.89**	3.28	0.05	0.07	0.06	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	26 May 2021	0908_SW011_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03	*1.41*	0.45	1.86	2.08	0.03	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	11 May 2023	0908_SW011_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05	*2.96*	0.58	**3.54**	3.86	0.03	0.04	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	27 Nov 2023	0908_SW011_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.02	*0.48*	0.2	0.68	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW011	23 Apr 2024	0908_SW011_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.01	*0.8*	0.6	1.4	1.52	0.02	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	26 Sep 2024	0908_SW011_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03	*1.4*	0.44	1.84	2.01	<0.02	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	20 Dec 2016	MD14_SW_161220	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	18 Apr 2018	MD14_SW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	*0.14*	<0.02	0.16	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	18 Apr 2018	MD14_SW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	-	-	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW014	06 Dec 2018	0908_MD14_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.02	*0.45*	0.21	0.66	0.76	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_MD14_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_QC220_190613	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01	<0.02	0.011	0.031	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW014	05 Nov 2019	0908_MD14_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	04 Jun 2020	0908_SW014_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03	*1.32*	0.62	1.94	2.32	0.06	0.07	0.05	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	26 Nov 2020	0908_QC110_201126	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.06	*2.93*	0.79	**3.72**	4.19	0.06	0.07	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	26 Nov 2020	0908_QC210_201126	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.053	*2.5*	0.74	**3.24**	-	0.054	0.059	0.049	<0.01	<0.05	0.042	0.14	0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW014	26 Nov 2020	0908_SW014_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.06	*3.24*	0.77	**4.01**	4.50	0.06	0.07	0.06	<0.02	<0.1	0.05	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	11 May 2021	0908_SW014_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.01	*0.61*	0.2	0.81	0.86	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	17 Nov 2021	0908_SW014_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.91*	0.34	1.25	1.46	0.06	0.02	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	16 May 2022	0908_QC201_220516	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*0.96*	0.22	1.2	1.3	0.03	0.02	0.02	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW014	16 May 2022	0908_SW014_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1*	0.22	1.22	1.33	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	07 Nov 2022	0908_SW014_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02	*1.14*	0.26	1.4	1.55	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	09 May 2023	0908_QC107_230509	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	0.03	*1.36*	0.42	1.78	2.01	0.02	0.03	0.04	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	09 May 2023	0908_SW014_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	0.03	*1.47*	0.39	1.86	2.11	0.03	0.03	0.04	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	21 Nov 2023	0908_SW014_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	16 Apr 2024	0908_SW014_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02	*1.23*	0.32	1.55	1.75	<0.02	0.03	0.03	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	27 Sep 2024	0908_SW014_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02	*0.6*	0.23	0.83	0.91	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	30 Jan 2017	TC12_SW_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	09 Feb 2017	TC12_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.27*	0.17	0.44	0.46	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	16 Feb 2017	TC12_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	24 Feb 2017	TC12_SW_240217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.17*	0.05	0.22	0.24	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	02 Mar 2017	TC12_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	09 Mar 2017	TC12_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	16 Mar 2017	TC12_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	23 Mar 2017	TC12_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	30 Mar 2017	TC12_SW_300317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	06 Apr 2017	TC12_SW_060417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	0.02	*0.27*	0.42	0.69	0.81	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	04 May 2017	TC12_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.07*	0.17	0.24	-	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	01 Jun 2017	TC12_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.03*	0.07	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	20 Jul 2017	TC12_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.09*	0.3	0.39	0.49	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Apr 2018	TC12_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	06 Dec 2018	0908_TC12_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.04*	0.07	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	14 Jun 2019	0908_TC12_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.07*	0.03	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	07 Nov 2019	0908_TC12_SW_191107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01	*0.03*	0.09	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	26 May 2020	0908_SW019_200526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Nov 2020	0908_SW019_201112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01	*0.29*	0.35	0.64	0.78	0.03	0.03	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	10 May 2021	0908_SW019_210510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.03	*0.81*	0.62	1.43	1.73	0.04	0.05	0.04	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Nov 2021	0908_SW019_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01	*0.06*	0.03	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	27 May 2022	0908_SW019_220527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02	*0.33*	0.3	0.63	0.75	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	14 Nov 2022	0908_SW019_221114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02	*0.74*	0.33	1.07	1.22	0.03	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	17 May 2023	0908_SW019_230517	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	28 Nov 2023	0908_SW019_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01	*0.02*	0.06	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	22 Apr 2024	0908_SW019_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01	*0.13*	0.15	0.28	0.30	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	20 Sep 2024	0908_SW019_240920	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01	*0.14*	0.13	0.27	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	06 Dec 2018	0908_TC6A_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01	*0.04*	0.05	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	05 Nov 2019	0908_TC6a_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.05	<0.05	0.06	0.06	0.06	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW023	04 Jun 2020	0908_SW023_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01	*0.08*	0.19	0.27	0.36	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	20 Nov 2020	0908_SW023_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02	*0.5*	0.6	1.1	1.36	0.06	0.05	0.03	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	11 May 2021	0908_SW023_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02	*0.28*	0.42	0.7	0.93	0.05	0.04	0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 Nov 2021	0908_QC110_211117	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.01	*0.17*	0.22	0.39	0.48	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 Nov 2021	0908_SW023_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.01	*0.23*	0.24	0.47	0.59	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 May 2022	0908_SW023_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02	*0.32*	0.3	0.62	0.75	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW023	08 Nov 2022	0908_SW023_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02	*0.36*	0.23	0.59	0.69	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	09 May 2023	0908_SW023_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01	*0.06*	0.1	0.16	0.18	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	20 Nov 2023	0908_SW023_231120	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01	*0.03*	0.06	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	16 Apr 2024	0908_SW023_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01	*0.05*	0.08	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	27 Sep 2024	0908_SW023_240927	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01	*0.18*	0.07	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	21 Jan 2016	TC7_SW_21012016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.01	*0.39*	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
SW024	14 Dec 2016	TC7_SW_20161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.05	*0.08*	0.1	0.18	0.25	<0.05	0.07	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW024	06 Dec 2018	0908_TC7_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW024	05 Nov 2019	0908_TC7_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW024	04 Jun 2020	0908_SW024_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01	*0.1*	0.17	0.27	0.37	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Nov 2020	0908_SW024_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01	*0.32*	0.32	0.64	0.76	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	18 Dec 2020	0908_SW024_201218	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.05	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.05	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.11*	0.07	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.11*	0.09	0.2	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.1*	0.07	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.06	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.12*	0.09	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.12*	0.08	0.2	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.09*	0.06	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.09*	0.06	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.09*	0.08	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.1*	0.08	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.05*	0.03	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.05	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.05	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_QC100_210129	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.1	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_QC200_210129	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.047*	0.079	0.126	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW024	29 Jan 2021	0908_SW024_210129	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.09	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.05*	0.09	0.14	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.06*	0.09	0.15	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.04*	0.04	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.11*	0.14	0.25	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.12	0.2	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW024	30 Jan 2021	0908_SW024_2101301030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.1*	0.15	0.25	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.1*	0.14	0.24	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	19 Feb 2021	0908_SW024_210219	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.16*	0.2	0.36	0.40	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	26 Mar 2021	0908_SW024_210326	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.21*	0.12	0.33	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Apr 2021	0908_SW024_210423	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.02	*0.28*	0.3	0.58	0.71	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	11 May 2021	0908_SW024_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.02	*0.24*	0.31	0.55	0.70	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	25 Jun 2021	0908_SW024_210625	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.14*	0.18	0.32	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jul 2021	0908_SW024_210730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01	*0.2*	0.24	0.44	0.52	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Aug 2021	0908_SW024_210820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	27 Sep 2021	0908_SW024_210927	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*1.32*	0.15	1.47	1.50	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	25 Oct 2021	0908_SW024_211025	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.13*	0.08	0.21	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	17 Nov 2021	0908_QC210_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.07*	0.12	0.19	0.21	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
SW024	17 Nov 2021	0908_SW024_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.1*	0.12	0.22	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	16 May 2022	0908_SW024_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01	*0.24*	0.23	0.47	0.55	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	08 Nov 2022	0908_SW024_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01	*0.27*	0.12	0.39	0.42	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	09 May 2023	0908_SW024_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 2	<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Nov 2023	0908_SW024_231120	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 2	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	16 Apr 2024	0908_SW024_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 2	<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	27 Sep 2024	0908_SW024_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 2	<0.01	*0.05*	0.05	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	17 Nov 2014	BD03_SW01_171114	Normal	NSW_0908_PFAS	On-base	-	0.25	*17*	2.2	**19.2**	-	0.16	-	-	<0.01	-	<0.01	0.34	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW047	17 Nov 2014	QC101_SW_171114	Interlab_D	NSW_0908_PFAS	On-base	-	0.29	*16*	2.1	**18.1**	-	0.13	-	-	<0.01	-	<0.01	0.41	0.09	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW047	14 Jan 2016	BD03_SW_1412016	Normal	NSW_0908_PFAS	On-base	-	0.9	*31.6*	5.16	**36.76**	-	0.249	-	-	<0.005	-	-	1.74	0.125	0.01	0.007	<0.005	<0.005	<0.005	<0.05	-	0.02	<0.01	-	0.007	<0.05	-	<0.1	<0.005	-	<0.1
SW047	14 Sep 2016	BD03_140916	Normal	NSW_0908_PFAS	On-base	-	0.15	*17*	1.3	**18.3**	-	0.1	0.13	0.17	<0.01	<0.5	0.047	0.27	0.04	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.013	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
SW047	16 Dec 2016	BD03_SW_161216	Normal	NSW_0908_PFAS	On-base	-	0.03	*2.27*	0.26	**2.53**	2.63	<0.02	0.03	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	03 Feb 2017	BD03_SW_030217	Normal	NSW_0908_PFAS	On-base	-	0.05	*2.8*	0.52	**3.32**	3.51	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Feb 2017	BD03_SW_100217	Normal	NSW_0908_PFAS	On-base	-	<0.05	*2.16*	0.91	**3.07**	3.29	<0.05	0.08	0.06	<0.05	<0.2	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.05	<0.12	<0.05	<0.12
SW047	17 Feb 2017	BD03_SW_17022017	Normal	NSW_0908_PFAS	On-base	-	0.04	*1.68*	0.64	**2.32**	2.58	0.04	0.05	0.02	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	BD03_SW_240217	Normal	NSW_0908_PFAS	On-base	-	0.05	*2.16*	0.65	**2.81**	3.14	0.05	0.05	0.04	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	QC409_SW_240217	Field_D	NSW_0908_PFAS	On-base	-	0.06	*2.65*	0.77	**3.42**	3.8	0.05	0.06	0.05	<0.02	<0.1	0.04	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	QC508_SW_24022017	Interlab_D	NSW_0908_PFAS	On-base	-	<0.02	*1.2*	0.28	1.48	-	0.017	-	-	<0.02	<0.05	<0.02	0.053	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW047	03 Mar 2017	BD03_SW_030317	Normal	NSW_0908_PFAS	On-base	-	0.03	*1.65*	0.28	1.93	1.99	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Mar 2017	BD03_SW_100317	Normal	NSW_0908_PFAS	On-base	-	0.06	*1.78*	0.79	**2.57**	2.89	0.04	0.06	0.03	<0.02	<0.1	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	17 Mar 2017	BD03_SW_20170317	Normal	NSW_0908_PFAS	On-base	-	0.06	*3.45*	1.12	**4.57**	4.99	0.04	0.06	0.05	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 Mar 2017	BD03_SW_220317	Normal	NSW_0908_PFAS	On-base	-	0.06	*1.73*	0.98	**2.71**	3.18	0.07	0.08	0.04	<0.02	<0.1	0.03	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	31 Mar 2017	BD03_SW_310317	Normal	NSW_0908_PFAS	On-base	-	0.09	*4.62*	1	**5.62**	6.22	0.05	0.08	0.06	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	07 Apr 2017	BD03_SW_070417	Normal	NSW_0908_PFAS	On-base	-	0.12	*3.59*	1.74	**5.33**	6.18	0.12	0.13	0.07	<0.02	<0.1	0.11	0.24	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	BD03_SW_050517	Normal	NSW_0908_PFAS	On-base	-	0.08	*3.28*	1.53	**4.81**	-	0.11	0.17	0.1	<0.02	<0.1	<0.02	0.34	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	0.29	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	QC417_050517	Field_D	NSW_0908_PFAS	On-base	-	0.07	*2.62*	1.43	**4.05**	-	0.12	0.14	0.08	<0.02	<0.1	<0.02	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	QC_516_050517	Field_D	NSW_0908_PFAS	On-base	-	0.061	*1.6*	0.93	**2.53**	-	0.093	-	-	<0.02	0.077	0.2	0.34	0.061	<0.01	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	-	0.19	<0.05	-	<0.02	-	-	-	-	-	<0.05
SW047	02 Jun 2017	BD03_SW_020617	Normal	NSW_0908_PFAS	On-base	-	0.04	*1.77*	1.01	**2.78**	3.82	0.09	0.1	0.06	<0.02	<0.1	0.12	0.25	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	21 Jul 2017	BD03_SW_210717	Normal	NSW_0908_PFAS	On-base	-	0.05	*2.06*	0.92	**2.98**	3.78	0.06	0.09	0.06	<0.02	<0.1	0.12	0.18	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.19	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	12 Apr 2018	BD03_SW_13042018	Normal	NSW_0908_PFAS	On-base	-	0.08	*4.95*	0.88	**5.83**	6.35	0.04	0.06	0.07	<0.02	<0.1	0.07	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	07 Dec 2018	0908_BD03_SW_181207	Normal	NSW_0908_PFAS	On-base	-	0.12	*6.69*	1.42	**8.11**	8.92	0.05	0.08	0.09	<0.02	<0.1	0.15	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	09 Apr 2019	0908_BD03_190409	Normal	NSW_0908_PFAS	On-base	-	0.12	*9.16*	1.63	**10.79**	-	0.09	0.13	0.15	<0.02	<0.1	0.08	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	09 Apr 2019	0908_QC100_190409	Field_D	NSW_0908_PFAS	On-base	-	0.12	*9.91*	1.71	**11.62**	-	0.08	0.14	0.15	<0.02	<0.1	0.08	0.36	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	14 Jun 2019	0908_BD03_SW_190614	Normal	NSW_0908_PFAS	On-base	-	0.09	*3.78*	0.73	**4.51**	5.41	0.03	0.05	0.05	<0.02	<0.1	0.1	0.2	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.32	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	06 Nov 2019	0908_BD03_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*5.12*	0.99	**6.11**	7.01	0.09	0.06	0.08	<0.02	<0.1	0.10	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	06 Nov 2019	0908_BD04_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.05	*0.15*	0.83	0.98	1.51	0.10	0.06	0.03	<0.02	<0.1	0.03	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 May 2020	0908_SW047_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.04	*3.79*	0.68	**4.47**	5.13	0.05	0.06	0.05	<0.02	<0.1	0.08	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	27 Nov 2020	0908_SW047_201127	Normal	NSW_0908_PFASOMP	On-base	-	0.15	*20.6*	1.83	**22.4**	23.6	0.06	0.08	0.16	<0.02	<0.1	0.16	0.45	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	11 May 2021	0908_SW047_210511	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*3.23*	1.46	**4.69**	5.43	0.08	0.11	0.07	<0.02	<0.1	0.08	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	16 Nov 2021	0908_SW047_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.14	*9.14*	1.54	**10.7**	11.8	0.08	0.10	0.09	<0.02	<0.1	0.12	0.47	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	19 May 2022	0908_SW047_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.11	*5.34*	0.87	**6.21**	6.82	0.03	0.06	0.06	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Nov 2022	0908_SW047_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*3.93*	0.74	**4.67**	5.05	0.03	0.04	0.06	<0.02	<0.1	0.03	0.11	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 May 2023	0908_QC108_230510	Field_D	NSW_0908_PFASOMP_23	On-base	-	0.12	*10.8*	1.19	**12**	12.9	0.07	0.10	0.13	<0.02	<0.1	0.11	0.27	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

								PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**										**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**							
								Perfluorooctanoic acid (PFOA)	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
								µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR								0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water								**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%								*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW047	10 May 2023	0908_QC208_230510	Interlab_D	NSW_0908_PFASOMP_23	On-base	-		0.1	*8.5*	1.2	**9.7**	10	0.06	0.09	0.08	<0.02	0.04	0.08	0.23	0.06	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.08	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW047	10 May 2023	0908_SW047_230510	Normal	NSW_0908_PFASOMP_23	On-base	-		0.10	*8.42*	0.94	**9.36**	10.1	0.05	0.08	0.08	<0.02	<0.1	0.08	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 Nov 2023	0908_SW047_231122	Normal	NSW_0908_PFASOMP_23	On-base	-		0.06	*3.43*	0.69	**4.12**	4.64	0.04	0.04	0.06	<0.02	<0.1	0.06	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	18 Apr 2024	0908_SW047_240418	Normal	NSW_0908_PFASOMP_24	On-base	-		0.07	*4.54*	1.08	**5.62**	6.22	0.05	0.09	0.07	<0.02	<0.1	0.08	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Sep 2024	0908_SW047_240924	Normal	NSW_0908_PFASOMP_24	On-base	-		0.08	*4.28*	0.88	**5.16**	5.78	0.04	0.05	0.06	<0.02	<0.1	0.06	0.19	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	17 Nov 2014	BD04_SW01_171114	Normal	NSW_0908_PFAS	On-base	-		0.07	*0.05*	0.36	0.41	-	0.05	-	-	<0.01	-	<0.01	0.11	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW048	20 Nov 2015	BD04_SW_20112015	Normal	NSW_0908_PFAS	On-base	-		0.039	*0.14*	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-
SW048	20 Jan 2016	BD04_SW_20012016	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.7*	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
SW048	16 Dec 2016	BD04_SW_161216	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.11*	0.41	0.52	0.63	0.03	0.05	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	12 Apr 2018	BD04_SW_13042018	Normal	NSW_0908_PFAS	On-base	-		0.03	*0.15*	0.68	0.83	1.23	0.06	0.07	<0.02	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	07 Dec 2018	0908_BD04_SW_181207	Normal	NSW_0908_PFAS	On-base	-		0.04	*0.13*	0.71	0.84	1.29	0.06	0.09	0.02	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	14 Jun 2019	0908_BD04_SW_190614	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.04*	0.3	0.34	0.45	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 May 2020	0908_SW048_200522	Normal	NSW_0908_PFASOMP	On-base	-		0.04	*0.24*	0.76	1	1.44	0.07	0.08	0.02	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	27 Nov 2020	0908_SW048_201127	Normal	NSW_0908_PFASOMP	On-base	-		0.05	*0.29*	1.17	1.46	2.10	0.10	0.12	0.05	<0.02	<0.1	0.04	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	11 May 2021	0908_SW048_210511	Normal	NSW_0908_PFASOMP	On-base	-		0.06	*0.22*	1.02	1.24	1.84	0.09	0.10	0.05	<0.02	<0.1	0.04	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	16 Nov 2021	0908_SW048_211116	Normal	NSW_0908_PFASOMP	On-base	-		0.06	*0.38*	1.01	1.39	2.08	0.14	0.10	0.05	<0.02	<0.1	0.04	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	19 May 2022	0908_SW048_220519	Normal	NSW_0908_PFASOMP	On-base	-		0.08	*0.44*	1.22	1.66	2.35	0.08	0.13	0.08	<0.02	<0.1	0.04	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	10 Nov 2022	0908_SW048_221110	Normal	NSW_0908_PFASOMP	On-base	-		0.05	*0.22*	0.78	1	1.56	0.10	0.13	0.04	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	10 May 2023	0908_SW048_230510	Normal	NSW_0908_PFASOMP_23	On-base	-		0.07	*0.52*	0.94	1.46	2.01	0.07	0.10	0.05	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 Nov 2023	0908_QC108_231122	Field_D	NSW_0908_PFASOMP_23	On-base	-		0.06	*0.6*	0.81	1.41	1.87	0.08	0.07	0.05	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 Nov 2023	0908_QC208_231122	Interlab_D	NSW_0908_PFASOMP_23	On-base	-		0.05	*0.62*	0.87	1.5	2.0	0.09	0.08	0.06	<0.02	<0.02	0.02	0.15	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW048	22 Nov 2023	0908_SW048_231122	Normal	NSW_0908_PFASOMP_23	On-base	-		0.01	*0.17*	0.18	0.35	0.46	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	18 Apr 2024	0908_SW048_240418	Normal	NSW_0908_PFASOMP_24	On-base	-		0.05	*0.56*	0.57	1.13	1.41	0.03	0.05	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	24 Sep 2024	0908_SW048_240924	Normal	NSW_0908_PFASOMP_24	On-base	-		0.08	*0.88*	0.9	1.78	2.34	0.06	0.08	0.08	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	23 Jun 2014	DD1-WATER	Normal	NSW_0908_PFAS	On-base	-		0.09	*0.13*	0.48	0.61	-	0.06	-	-	<0.01	-	0.04	0.27	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW055	25 Jun 2014	QC7_WATER	Field_D	NSW_0908_PFAS	On-base	-		0.1	*0.59*	0.7	1.29	-	0.06	-	-	<0.01	-	0.05	0.31	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW055	26 Jun 2014	QC6_SEDIMENT_PW	Interlab_D	NSW_0908_PFAS	On-base	-		<0.02	<0.02	0.25	0.27	-	0.1	-	-	<0.02	-	-	0.15	0.03	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
SW055	26 Jun 2014	QC8_WATER	Interlab_D	NSW_0908_PFAS	On-base	-		0.16	*8.63*	-	**8.63**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
SW055	14 Jan 2016	DD1_SW_1412016	Normal	NSW_0908_PFAS	On-base	-		0.247	*5.17*	-	**5.17**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-
SW055	15 Jan 2016	DD1_SW_15012016	Normal	NSW_0908_PFAS	On-base	-		0.093	*3.57*	-	**3.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-
SW055	16 Dec 2016	DD1_SW_161216	Normal	NSW_0908_PFAS	On-base	-		0.13	*2.66*	1.97	**4.63**	5.52	0.16	0.16	0.07	<0.02	<0.1	0.09	0.22	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	03 Mar 2017	DD1_SW_030317	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.1*	0.08	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1330	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.08*	0.16	0.24	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1445	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.08*	0.18	0.26	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1500	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.14	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1515	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.09*	0.16	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1545	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1600	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1615	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1630	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.06*	0.1	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1645	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1700	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1000	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1015	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.11*	0.21	0.32	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1030	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.11*	0.21	0.32	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1045	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.09*	0.18	0.27	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1100	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.09*	0.16	0.25	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1115	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.08*	0.15	0.23	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1130	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1715	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1730	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_SW_100317	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.06*	0.06	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	17 Mar 2017	DD1_SW_20170317	Normal	NSW_0908_PFAS	On-base	-		<0.01	*0.14*	0.55	0.69	0.81	<0.02	0.03	<0.02	<0.02	<0.1	0.04	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1545	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.64*	0.38	1.02	1.13	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1600	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.64*	0.36	1	1.12	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1615	Normal	NSW_0908_PFAS	On-base	-		0.03	*1.01*	0.84	1.85	2.14	0.06	0.06	0.04	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_815	Normal	NSW_0908_PFAS	On-base	-		0.03	*0.91*	0.67	1.58	1.82	0.05	0.05	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_830	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.7*	0.5	1.2	1.38	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_845	Normal	NSW_0908_PFAS	On-base	-		0.02	*0.65*	0.38	1.03	1.15	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW055	21 Mar 2017	DD1_AS_210317_900	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.56*	0.3	0.86	0.95	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_915	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.53*	0.26	0.79	0.87	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_930	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.53*	0.25	0.78	0.86	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_945	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.44*	0.22	0.66	0.68	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1015	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.49*	0.27	0.76	0.79	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1115	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.5*	0.28	0.78	0.81	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1130	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.42*	0.22	0.64	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1145	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.3*	0.14	0.44	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1215	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.22*	0.07	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1230	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.24*	0.07	0.31	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210347_1200	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.25*	0.1	0.35	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 Mar 2017	DD1_SW_220317	Normal	NSW_0908_PFAS	On-base	-	0.02	*0.75*	0.61	1.36	1.57	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	31 Mar 2017	DD1_SW_310317	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.42*	0.31	0.73	0.78	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	07 Apr 2017	DD1_SW_070417	Normal	NSW_0908_PFAS	On-base	-	0.03	*0.38*	0.55	0.93	1.11	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 May 2017	DD1_SW_050517	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.51*	0.26	0.77	-	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	02 Jun 2017	DD1_SW_020617	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.13*	0.08	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Jul 2017	DD1_SW_210717	Normal	NSW_0908_PFAS	On-base	-	0.04	*1.72*	0.79	**2.51**	2.99	0.09	0.08	0.03	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	12 Apr 2018	DD1_SW_13042018	Normal	NSW_0908_PFAS	On-base	-	<0.01	*0.35*	0.14	0.49	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	07 Dec 2018	0908_DD1_SW_181207	Normal	NSW_0908_PFAS	On-base	-	0.04	*0.83*	0.76	1.59	2.06	0.06	0.09	0.02	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Apr 2019	0908_DD1_190409	Normal	NSW_0908_PFAS	On-base	-	0.04	*0.4*	0.85	1.25	-	0.07	0.09	0.04	<0.02	<0.1	0.04	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	13 Jun 2019	0908_DD1_SW_190613	Normal	NSW_0908_PFAS	On-base	-	0.01	*0.17*	0.36	0.53	0.67	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 Nov 2019	0908_DD1_SW_191105	Normal	NSW_0908_PFASOMP	On-base	-	0.04	*0.08*	0.84	0.92	1.23	0.03	0.06	0.04	<0.02	<0.1	<0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 May 2020	0908_SW055_200522	Normal	NSW_0908_PFASOMP	On-base	-	<0.01	*0.15*	0.18	0.33	0.38	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	23 Nov 2020	0908_SW055_201123	Normal	NSW_0908_PFASOMP	On-base	-	0.05	*0.59*	0.88	1.47	1.97	0.07	0.10	0.04	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 May 2021	0908_SW055_210505	Normal	NSW_0908_PFASOMP	On-base	-	0.10	*2.92*	1.38	**4.3**	5.15	0.09	0.14	0.10	<0.02	<0.1	0.08	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	11 May 2021	0908_SW055_210511	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*3.31*	1.12	**4.43**	5.08	0.07	0.09	0.07	<0.02	<0.1	0.06	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Jun 2021	0908_QC100_210625	Field_D	NSW_0908_PFASOMP	On-base	-	0.07	*2.93*	1	**3.93**	4.50	0.06	0.09	0.05	<0.02	<0.1	0.06	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Jun 2021	0908_QC200_210625	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.056	*2.3*	0.87	**3.17**	-	0.052	0.065	0.037	<0.01	<0.05	0.059	0.15	0.033	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.048	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW055	25 Jun 2021	0908_SW055_210625	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*3.54*	1.07	**4.61**	5.31	0.06	0.10	0.07	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	30 Jul 2021	0908_QC100_210730	Field_D	NSW_0908_PFASOMP	On-base	-	0.06	*0.82*	1.04	1.86	2.46	0.09	0.10	0.05	<0.02	<0.1	0.05	0.21	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	30 Jul 2021	0908_QC200_210730	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.046	*0.69*	0.98	1.67	-	0.075	0.081	0.031	<0.01	<0.05	0.043	0.15	0.031	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW055	30 Jul 2021	0908_SW055_210730	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*0.86*	1.02	1.88	2.47	0.09	0.10	0.05	<0.02	<0.1	0.05	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Aug 2021	0908_SW055_210820	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*0.62*	0.97	1.59	2.15	0.08	0.11	0.05	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	27 Sep 2021	0908_SW055_210927	Normal	NSW_0908_PFASOMP	On-base	-	0.05	*1.45*	0.89	**2.34**	2.86	0.08	0.09	0.04	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Oct 2021	0908_SW055_211025	Normal	NSW_0908_PFASOMP	On-base	-	0.05	*0.63*	0.8	1.43	1.95	0.08	0.10	0.04	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	16 Nov 2021	0908_SW055_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.06	*2.02*	0.89	**2.91**	3.53	0.09	0.08	0.04	<0.02	<0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	19 May 2022	0908_QC111_220519	Field_D	NSW_0908_PFASOMP	On-base	-	0.08	*3.98*	0.96	**4.94**	5.64	0.05	0.08	0.06	<0.02	<0.1	0.08	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	19 May 2022	0908_SW055_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*3.81*	1.01	**4.82**	5.50	0.05	0.08	0.06	<0.02	<0.1	0.06	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	12 Aug 2022	0908_SW055_220812	Normal	NSW_0908_PFASMGMT	On-base	-	0.09	*4.46*	0.97	**5.43**	6.00	0.06	0.07	0.08	<0.02	<0.1	0.05	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Nov 2022	0908_SW055_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*3.48*	0.8	**4.28**	4.82	0.06	0.08	0.07	<0.02	<0.1	0.04	0.17	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 May 2023	0908_SW055_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05	*0.9*	0.88	1.78	2.26	0.07	0.10	0.04	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 Nov 2023	0908_SW055_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05	*0.55*	0.71	1.26	1.69	0.10	0.06	0.04	<0.02	<0.1	0.02	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	17 Apr 2024	0908_SW055_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.04	*0.56*	0.65	1.21	1.53	0.04	0.07	0.04	<0.02	<0.1	<0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	24 Sep 2024	0908_SW055_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.07	*0.76*	1.18	1.94	2.56	0.09	0.11	0.04	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	19 Jun 2014	DD2_WATER	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.08	*0.02*	0.52	0.54	-	0.11	-	-	<0.01	-	0.04	0.42	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW059	14 Jan 2016	DD2_SW_1412016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.082	*1.56*	-	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW059	14 Jan 2016	QC200_SW_140116	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.064	*2.6*	-	**2.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW059	14 Dec 2016	DD2_SW_161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.1	*0.8*	1.68	**2.48**	3.55	0.31	0.28	0.07	<0.02	<0.1	0.06	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	02 Feb 2017	DD2_SW_020217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*1.61*	0.66	**2.27**	2.59	0.06	0.08	0.03	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Feb 2017	DD2_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	<0.05	*0.44*	0.12	0.56	0.56	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW059	16 Feb 2017	DD2_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	<0.05	*0.08*	0.18	0.26	4.66	<0.05	<0.05	<0.05	<0.05	4.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW059	02 Mar 2017	DD2_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.62*	0.65	1.27	1.52	0.06	0.07	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1030	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	<0.01	*0.05*	0.06	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*1.13*	0.73	1.86	2.1	0.04	0.06	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1100	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*1.01*	0.62	1.63	1.84	0.04	0.05	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1115	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.86*	0.61	1.47	1.66	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1130	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.82*	0.54	1.36	1.53	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.95*	0.51	1.46	1.59	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1200	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.67*	0.34	1.01	1.1	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Region	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**										**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**						
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
SW059	08 Mar 2017	DD2_AS_080317_1215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01	*0.71*	0.32	1.03	1.11	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1230	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.8*	0.42	1.22	1.34	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.85*	0.46	1.31	1.45	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1300	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01	*0.64*	0.33	0.97	1.06	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1315	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01	*0.6*	0.31	0.91	0.99	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1330	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01	*0.64*	0.33	0.97	1.06	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.78*	0.43	1.21	1.35	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1400	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.75*	0.42	1.17	1.29	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1415	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.68*	0.36	1.04	1.15	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.62*	0.33	0.95	1.04	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Mar 2017	DD2_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01	*0.34*	0.58	0.92	1.28	0.13	0.1	<0.02	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 Mar 2017	DD2_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01	*0.26*	1.22	1.48	2.15	0.22	0.18	<0.02	<0.02	<0.1	0.04	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_200317_0245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04	*0.7*	1.51	**2.21**	3.08	0.32	0.27	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_0300	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.67*	1.46	**2.13**	2.93	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_0945	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.65*	1.31	1.96	2.75	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1000	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.59*	1.35	1.94	2.73	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1015	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.62*	1.32	1.94	2.74	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1030	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.52*	1.31	1.83	2.63	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.61*	1.36	1.97	2.76	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1100	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.54*	1.38	1.92	2.7	0.32	0.25	0.04	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1115	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.52*	1.37	1.89	2.69	0.31	0.28	0.04	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.58*	1.34	1.92	2.74	0.32	0.27	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.61*	1.36	1.97	2.79	0.32	0.28	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.58*	1.4	1.98	2.82	0.33	0.28	0.04	<0.02	<0.1	<0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1315	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.67*	1.37	**2.04**	2.87	0.33	0.26	0.04	<0.02	<0.1	<0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2130	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.57*	1.41	1.98	2.77	0.29	0.25	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04	*0.64*	1.54	**2.18**	3.03	0.3	0.26	0.05	<0.02	<0.1	<0.02	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2200	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.59*	1.45	**2.04**	2.86	0.29	0.26	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04	*0.66*	1.5	**2.16**	3.02	0.3	0.28	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2230	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.56*	1.46	**2.02**	2.82	0.3	0.25	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.6*	1.41	**2.01**	2.81	0.29	0.25	0.05	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2300	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.61*	1.4	**2.01**	2.78	0.29	0.25	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2315	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.63*	1.35	1.98	2.75	0.28	0.24	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2330	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.71*	1.53	**2.24**	3.12	0.32	0.28	0.05	<0.02	<0.1	<0.02	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04	*0.68*	1.62	**2.3**	3.23	0.33	0.31	0.05	<0.02	<0.1	<0.02	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0015	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.66*	1.56	**2.22**	3.07	0.32	0.27	0.04	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04	*0.66*	1.59	**2.25**	3.14	0.32	0.27	0.05	<0.02	<0.1	<0.02	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0115	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.58*	1.48	**2.06**	2.91	0.31	0.27	0.04	<0.02	<0.1	<0.02	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.64*	1.45	**2.09**	2.91	0.3	0.26	0.05	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.63*	1.47	**2.1**	2.91	0.3	0.26	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Mar 2017	DD2_SW_23032017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.64*	1.48	**2.12**	2.99	0.29	0.22	0.05	<0.02	<0.1	0.04	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	31 Mar 2017	DD2_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.48*	0.63	1.11	1.41	0.08	0.1	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	05 Apr 2017	DD2_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03	*0.45*	1.67	**2.12**	2.9	0.22	0.23	0.03	<0.02	<0.1	0.03	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	04 May 2017	DD2_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.12	*1.82*	3.26	**5.08**	-	0.27	0.41	0.17	<0.02	<0.1	<0.02	0.44	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	01 Jun 2017	DD2_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.07	*0.96*	2.94	**3.9**	5.62	0.41	0.4	0.07	<0.02	<0.1	0.1	0.6	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Jul 2017	DD2_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.05	*1.08*	1.4	**2.48**	3.07	0.1	0.14	0.05	<0.02	<0.1	0.03	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	12 Apr 2018	DD2_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04	*0.81*	1.14	1.95	2.58	0.13	0.14	0.04	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	06 Dec 2018	0908_DD2_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.1	*0.91*	2.29	**3.2**	4.63	0.27	0.29	0.09	<0.02	<0.1	0.09	0.53	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	13 Jun 2019	0908_DD2_SW_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02	*0.14*	1.26	1.4	2.55	0.38	0.37	0.02	<0.02	<0.1	0.02	0.32	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	05 Nov 2019	0908_DD2_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.29*	1.49	**2.78**	3.77	0.19	0.23	0.09	<0.02	<0.1	0.06	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	04 Jun 2020	0908_SW059_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12	*0.85*	4.87	**5.72**	9.20	0.72	0.84	0.15	<0.02	0.1	0.22	1.21	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	13 Nov 2020	0908_SW059_201113	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.31*	1.19	**2.5**	3.21	0.09	0.10	0.05	<0.02	<0.1	0.08	0.30	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	18 Dec 2020	0908_SW059_201218	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08	*0.87*	1.96	**2.83**	3.88	0.22	0.21	0.08	<0.02	<0.1	0.06	0.36	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.72*	1.3	**2.02**	2.63	0.12	0.12	0.05	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.55*	1.2	1.75	2.31	0.11	0.11	0.04	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.72*	1.36	**2.08**	2.73	0.11	0.13	0.05	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*0.8*	1.5	**2.3**	3.02	0.13	0.15	0.05	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.62*	1.42	**2.04**	2.72	0.12	0.14	0.05	<0.02	<0.1	0.05	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*0.91*	1.76	**2.67**	3.51	0.15	0.17	0.06	<0.02	<0.1	0.06	0.30	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW059	22 Dec 2020	0908_SW059_2012220800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*0.84*	1.78	**2.62**	3.48	0.15	0.18	0.06	<0.02	<0.1	0.06	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07	*0.92*	1.91	**2.83**	3.78	0.17	0.19	0.07	<0.02	<0.1	0.07	0.34	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07	*0.81*	2.04	**2.85**	3.83	0.18	0.20	0.07	<0.02	<0.1	0.07	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07	*0.77*	2.04	**2.81**	3.81	0.18	0.20	0.07	<0.02	<0.1	0.07	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08	*0.95*	2.17	**3.12**	4.19	0.20	0.21	0.08	<0.02	<0.1	0.08	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08	*0.95*	2.23	**3.18**	4.29	0.20	0.22	0.08	<0.02	<0.1	0.08	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.09	*1.07*	2.56	**3.63**	4.87	0.22	0.24	0.09	<0.02	<0.1	0.09	0.45	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08	*1*	2.19	**3.19**	4.31	0.20	0.21	0.08	<0.02	<0.1	0.08	0.42	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.75*	1.5	**2.25**	3.01	0.14	0.16	0.06	<0.02	<0.1	0.06	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.71*	1.37	**2.08**	2.75	0.12	0.14	0.05	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.57*	1.17	1.74	2.31	0.10	0.12	0.05	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03	*0.63*	1.19	1.82	2.37	0.10	0.12	0.04	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.55*	1.03	1.58	2.07	0.09	0.10	0.04	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03	*0.55*	0.99	1.54	2.02	0.09	0.10	0.04	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.61*	1.16	1.77	2.31	0.10	0.11	0.04	<0.02	<0.1	0.04	0.19	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.02	*0.53*	0.97	1.5	1.94	0.08	0.10	0.03	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Dec 2020	0908_SW059_2012230000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03	*0.52*	0.97	1.49	1.95	0.08	0.10	0.04	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Dec 2020	0908_SW059_2012230100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03	*0.66*	1.2	1.86	2.40	0.10	0.12	0.04	<0.02	<0.1	0.04	0.19	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC105_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*0.83*	1.39	**2.22**	2.89	0.12	0.14	0.06	<0.02	<0.1	0.02	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC106_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.82*	1.25	**2.07**	2.70	0.11	0.13	0.06	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC107_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.85*	1.17	**2.02**	2.58	0.10	0.12	0.06	<0.02	<0.1	<0.02	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC108_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.96*	1.22	**2.18**	2.77	0.10	0.12	0.05	<0.02	<0.1	0.03	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC205_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.042	*0.66*	1.1	1.76	-	0.094	0.11	0.028	<0.01	<0.05	0.037	0.16	0.021	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC206_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.039	*0.66*	1	1.66	-	0.08	0.089	0.024	<0.01	<0.05	0.035	0.15	0.019	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC207_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.038	*0.77*	0.97	1.74	-	0.083	0.093	0.024	<0.01	<0.05	0.033	0.15	0.023	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC208_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.89*	1.1	1.99	-	0.091	0.1	0.026	<0.01	<0.05	0.038	0.18	0.023	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_SW059_2101281630	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*0.96*	1.59	**2.55**	3.28	0.11	0.16	0.07	<0.02	<0.1	0.04	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*0.86*	1.33	**2.19**	2.85	0.11	0.14	0.06	<0.02	<0.1	0.03	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281830	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.74*	1.2	1.94	2.49	0.09	0.12	0.05	<0.02	<0.1	0.02	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281930	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.78*	1.17	1.95	2.50	0.08	0.12	0.05	<0.02	<0.1	0.02	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282030	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.97*	1.29	**2.26**	2.87	0.10	0.13	0.06	<0.02	<0.1	0.03	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282130	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.89*	1.09	1.98	2.52	0.08	0.12	0.05	<0.02	<0.1	0.02	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282230	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*1.07*	1.27	**2.34**	2.95	0.10	0.13	0.06	<0.02	<0.1	0.02	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282330	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*1.12*	1.31	**2.43**	3.05	0.09	0.14	0.06	<0.02	<0.1	0.03	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_210129	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.11	*1.62*	2.46	**4.08**	5.45	0.21	0.27	0.11	<0.02	<0.1	0.11	0.51	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290030	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.12*	1.47	**2.59**	3.29	0.11	0.15	0.06	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290130	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07	*1.24*	1.6	**2.84**	3.65	0.12	0.17	0.07	<0.02	<0.1	0.05	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290230	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.13*	1.48	**2.61**	3.34	0.11	0.16	0.07	<0.02	<0.1	0.04	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290330	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08	*1.27*	1.8	**3.07**	3.96	0.13	0.19	0.08	<0.02	<0.1	0.05	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290430	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08	*1.23*	1.82	**3.05**	3.97	0.14	0.18	0.08	<0.02	<0.1	0.06	0.34	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.09	*1.44*	2.11	**3.55**	4.64	0.18	0.22	0.09	<0.02	<0.1	0.06	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290630	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.10	*1.44*	2.37	**3.81**	5.09	0.21	0.25	0.10	<0.02	<0.1	0.08	0.48	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12	*1.37*	2.91	**4.28**	5.74	0.24	0.31	0.10	<0.02	<0.1	0.09	0.53	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290830	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12	*1.42*	2.71	**4.13**	5.58	0.24	0.29	0.11	<0.02	<0.1	0.09	0.53	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290930	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13	*1.52*	2.94	**4.46**	6.10	0.26	0.30	0.13	<0.02	0.1	0.09	0.56	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291030	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.14	*1.57*	3.04	**4.61**	6.23	0.27	0.32	0.14	<0.02	<0.1	0.09	0.58	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291130	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.14	*1.48*	2.94	**4.42**	6.03	0.24	0.30	0.13	<0.02	0.1	0.09	0.54	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291230	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13	*1.48*	2.98	**4.46**	6.08	0.25	0.30	0.13	<0.02	0.1	0.09	0.55	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291330	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13	*1.53*	2.76	**4.29**	5.85	0.22	0.28	0.12	<0.02	0.1	0.13	0.51	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291430	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13	*1.76*	2.83	**4.59**	6.05	0.22	0.28	0.14	<0.02	<0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13	*1.68*	2.83	**4.51**	6.08	0.23	0.29	0.13	<0.02	0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	19 Feb 2021	0908_SW059_210219	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.10	*2.51*	1.92	**4.43**	5.53	0.14	0.16	0.10	<0.02	<0.1	0.10	0.45	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	26 Mar 2021	0908_SW059_210326	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.68*	0.63	1.31	1.68	0.05	0.05	0.04	<0.02	<0.1	0.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	27 Apr 2021	0908_SW059_210427	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.26*	0.94	**2.2**	2.74	0.07	0.08	0.05	<0.02	<0.1	0.04	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	11 May 2021	0908_SW059_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.28*	0.94	**2.22**	2.73	0.06	0.08	0.06	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	25 Jun 2021	0908_SW059_210625	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07	*1.08*	1.29	**2.37**	3.03	0.09	0.12	0.07	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	30 Jul 2021	0908_SW059_210730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.02*	1.03	**2.05**	2.66	0.09	0.09	0.06	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Aug 2021	0908_QC100_210820	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12	*1.69*	1.81	**3.5**	4.69	0.17	0.21	0.12	<0.02	<0.1	0.09	0.43	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Aug 2021	0908_QC200_210820	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.047	*0.51*	0.96	1.47	-	0.087	0.098	0.028	<0.01	<0.05	0.044	0.17	0.028	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**										**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**							
							Perfluorooctanoic acid (PFOA)	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW059	20 Aug 2021	0908_SW059_210820	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13	*1.76*	2.14	**3.9**	5.24	0.20	0.24	0.14	<0.02	<0.1	0.10	0.47	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	27 Sep 2021	0908_SW059_210927	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*0.88*	1.07	1.95	2.58	0.10	0.10	0.06	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	25 Oct 2021	0908_SW059_211025	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.16	*2.32*	1.78	**4.1**	5.49	0.18	0.22	0.14	<0.02	<0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	15 Nov 2021	0908_SW059_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07	*1.18*	1.16	**2.34**	3.10	0.13	0.12	0.07	<0.02	<0.1	0.05	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	17 May 2022	0908_QC103_220517	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.8*	0.73	1.53	1.94	0.05	0.07	0.05	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	17 May 2022	0908_QC203_220517	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05	*0.72*	0.75	1.5	1.9	0.05	0.06	0.06	<0.02	0.03	0.03	0.13	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW059	17 May 2022	0908_SW059_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04	*0.76*	0.74	1.5	1.92	0.05	0.07	0.05	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Nov 2022	0908_SW059_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07	*1.17*	0.88	**2.05**	2.72	0.08	0.12	0.08	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 May 2023	0908_SW059_230516	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.13	*2.14*	2.35	**4.49**	5.88	0.25	0.25	0.15	<0.02	<0.1	0.09	0.46	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Nov 2023	0908_SW059_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.04	*0.64*	0.88	1.52	1.99	0.07	0.09	0.04	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 Apr 2024	0908_SW059_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.06	*0.91*	1.59	**2.5**	3.52	0.18	0.28	0.09	<0.02	<0.1	0.04	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Sep 2024	0908_QC103_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.11	*1.51*	1.56	**3.07**	4.04	0.13	0.18	0.11	<0.02	<0.1	0.06	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Sep 2024	0908_QC203_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.10	*1.5*	1.7	**3.3**	4.1	0.15	0.16	0.13	<0.02	<0.02	0.05	0.24	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW059	23 Sep 2024	0908_SW059_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.10	*1.7*	1.5	**3.2**	4.03	0.10	0.12	0.07	<0.02	<0.1	0.06	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	17 Jun 2014	DD3_WATER	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.61	*0.36*	4.2	**4.56**	-	0.82	-	-	<0.01	-	0.32	2.5	0.33	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	-	-	<0.05	-	-
SW060	14 Jan 2016	DD3_SW_1412016	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.589	*10.3*	5.42	**15.72**	-	0.684	-	-	<0.005	-	-	1.65	0.11	0.018	<0.002	<0.005	<0.005	<0.005	<0.05	-	<0.01	<0.01	-	<0.002	<0.05	-	<0.1	<0.005	-	<0.1
SW060	14 Jan 2016	QC100_SW_1412016	Field_D	NSW_0908_PFAS	Primary Management Zone	Region 3	0.212	*8.98*	-	**8.98**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW060	14 Dec 2016	DD3_SW_161214	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.74	*7.82*	10.3	**18.1**	26.7	1.92	1.79	0.94	<0.02	<0.1	0.75	2.16	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	14 Dec 2016	DD3_SW_161214	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	-	-	-	**18.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	02 Feb 2017	DD3_SW_020217	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.43	*14.2*	4.18	**18.38**	21.5	0.49	0.5	0.37	<0.02	<0.1	0.15	1.03	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	02 Feb 2017	DD3_SW_020217	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	-	-	-	**18.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	03 Mar 2017	DD3_SW_030317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.05	*1.55*	1	**2.55**	3.19	0.19	0.14	0.03	<0.02	<0.1	<0.02	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Mar 2017	DD3_SW_090317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.42	*9.07*	7.41	**16.48**	22.1	1.31	1.1	0.45	<0.02	<0.1	0.3	1.85	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Mar 2017	DD3_SW_090317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	-	-	-	**16.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	16 Mar 2017	DD3_SW_20170316	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.28	*5.48*	6.78	**12.26**	16.2	0.88	0.83	0.38	<0.02	<0.1	0.18	1.21	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	16 Mar 2017	DD3_SW_20170316	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	-	-	-	**12.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	23 Mar 2017	DD3_SW_23032017	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.68	*11.9*	14	**25.9**	37.8	2.9	2.39	0.75	<0.02	0.6	0.58	3.65	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	31 Mar 2017	DD3_SW_310317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.34	*6.72*	6.52	**13.2**	18.4	1.15	1.15	0.4	<0.02	0.2	0.24	1.52	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	31 Mar 2017	DD3_SW_310317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	-	-	-	**13.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	05 Apr 2017	DD3_SW_050417	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.64	*9.5*	11.4	**20.9**	31.6	2.9	2.7	0.82	<0.02	<0.1	0.51	2.8	0.37	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	04 May 2017	DD3_SW_040517	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	2.34	*35.3*	39.9	**75.2**	-	3.59	5.53	2.8	<0.02	<0.1	<0.02	7.42	0.75	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	01 Jun 2017	DD3_SW_010617	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	1.87	*20*	28	**48**	71.1	4.38	4.22	1.55	<0.02	0.9	1.73	7.44	1.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Jul 2017	DD3_SW_200717	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.93	*31.8*	19.8	**51.6**	59.4	0.95	1.36	0.99	<0.02	0.5	0.43	2.26	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	12 Apr 2018	DD3_SW_12042018	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.61	*12.2*	10.7	**22.9**	30.8	1.65	1.6	0.77	<0.02	0.1	0.37	2.48	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	06 Dec 2018	0908_DD3_SW_181206	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	1.43	*30.7*	22.4	**53.1**	69	2.51	3.17	2.07	<0.02	0.3	0.87	4.86	0.65	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.4	*4.78*	7.09	**11.87**	19	1.56	1.66	0.45	<0.02	0.2	0.38	2.23	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	-	-	-	**11.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	05 Nov 2019	0908_DD3_SW_191105	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.64	*12.5*	10.4	**22.9**	31.5	1.28	1.79	0.91	<0.02	0.4	0.57	2.68	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	04 Jun 2020	0908_SW060_200604	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.88	*8.48*	10.8	**19.3**	34.0	2.31	3.63	1.46	<0.02	0.5	0.84	4.54	0.56	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Nov 2020	0908_SW060_201120	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	1.19	*26.4*	16.8	**43.2**	54.5	1.10	1.76	1.94	<0.02	0.5	0.73	3.72	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	18 Dec 2020	0908_SW060_201218	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.56	*13.9*	10.4	**24.3**	33.2	1.88	1.95	0.85	<0.02	0.3	0.44	2.63	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211403	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50	*9.76*	7.92	**17.7**	24.9	1.51	1.44	0.59	<0.02	0.3	0.43	2.17	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211503	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.36	*5.83*	5.7	**11.5**	16.8	1.05	1.17	0.43	<0.02	0.2	0.26	1.64	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211603	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.37	*7.23*	6.95	**14.2**	19.8	1.16	1.29	0.44	<0.02	0.2	0.26	1.73	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211703	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.40	*6.55*	6.87	**13.4**	19.4	1.21	1.34	0.51	<0.02	0.2	0.27	1.81	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211803	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.44	*8.35*	7.57	**15.9**	22.2	1.36	1.32	0.49	<0.02	0.2	0.36	1.88	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211903	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.49	*9.66*	8.07	**17.7**	24.3	1.33	1.37	0.56	<0.02	0.2	0.34	2.05	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212003	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48	*7.98*	8.2	**16.2**	23.1	1.40	1.68	0.55	<0.02	0.2	0.30	2.12	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212103	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.46	*8.31*	7.94	**16.2**	23.2	1.45	1.62	0.58	<0.02	0.2	0.29	2.09	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212203	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52	*10.8*	10.3	**21.1**	28.7	1.48	1.85	0.72	<0.02	0.3	0.31	2.22	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212303	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.45	*9.05*	9.09	**18.1**	25.7	1.22	1.57	0.43	<0.02	0.3	0.80	2.46	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220003	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.44	*8.99*	9.68	**18.7**	26.1	1.24	1.62	0.44	<0.02	0.3	0.76	2.29	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220103	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.42	*8.62*	9.57	**18.2**	25.2	1.14	1.58	0.41	<0.02	0.3	0.70	2.16	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220203	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52	*11.7*	8.34	**20**	27.0	1.59	1.34	0.64	<0.02	0.2	0.31	2.15	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220303	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	1.08	*17.9*	17.9	**35.8**	48.4	2.24	2.37	1.22	<0.02	0.4	0.56	4.26	0.50	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220403	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.81	*14.2*	14.6	**28.8**	40.4	1.52	2.27	0.67	<0.02	0.5	1.28	4.05	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220503	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.69	*12.7*	11.6	**24.3**	34.4	1.34	1.98	0.67	<0.02	0.4	1.11	3.45	0.46	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220603	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.54	*9.08*	8.28	**17.4**	24.8	0.92	1.41	0.49	<0.02	0.3	0.78	2.61	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220703	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.41	*7.38*	6.84	**14.2**	20.2	0.88	1.15	0.40	<0.02	0.2	0.61	2.08	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Region	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							10			2																										
PFAS NEMP 2020 Freshwater 99%							19	0.00023																												
SW060	22 Dec 2020	0908_SW060_2012220803	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48	7.21	8.34	15.6	22.4	1.32	1.55	0.58	<0.02	0.2	0.30	2.14	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220903	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.32	7.66	6.34	14	18.9	1.06	0.98	0.43	<0.02	0.2	0.28	1.46	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221003	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.29	6.17	5.49	11.7	16.0	0.96	0.86	0.34	<0.02	0.2	0.25	1.31	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221103	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.36	7.37	6.96	14.3	19.8	1.23	1.12	0.44	<0.02	0.2	0.31	1.60	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221203	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.40	8.38	7.68	16.1	22.0	1.28	1.25	0.49	<0.02	0.2	0.34	1.78	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221303	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.41	8.58	7.42	16	21.8	1.24	1.17	0.50	<0.02	0.2	0.34	1.76	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_QC104_210128	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.30	7.4	4.5	11.9	15.8	0.76	0.78	0.39	<0.02	0.2	0.19	1.10	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_QC204_210128	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.2	4.3	3.4	7.7	-	0.55	0.47	0.19	<0.01	0.12	0.14	0.7	0.09	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW060	28 Jan 2021	0908_SW060_2101281647	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.32	7.59	4.71	12.3	16.1	0.69	0.86	0.45	<0.02	0.1	0.18	1.09	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281747	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.26	6.81	4.28	11.1	14.2	0.58	0.65	0.34	<0.02	0.1	0.16	0.89	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281847	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.25	6.2	3.9	10.1	13.1	0.56	0.64	0.32	<0.02	0.1	0.14	0.86	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281947	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.29	6.5	4.3	10.8	14.3	0.64	0.75	0.38	<0.02	0.1	0.17	0.99	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282047	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.30	6.72	4.41	11.1	14.6	0.63	0.75	0.40	<0.02	0.1	0.17	0.99	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282147	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.34	7.64	5.26	12.9	16.9	0.76	0.87	0.48	<0.02	0.1	0.20	1.11	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282247	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.37	8.6	5.43	14	18.3	0.72	1.02	0.51	<0.02	0.1	0.20	1.20	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282347	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.42	9.34	6.3	15.6	20.6	0.78	1.08	0.63	<0.02	0.2	0.24	1.36	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_QC100_210129	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50	12.8	7.19	20	25.8	0.93	1.23	0.73	<0.02	0.2	0.32	1.71	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_210129	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52	12.1	7.47	19.6	25.6	0.96	1.25	0.74	<0.02	0.2	0.35	1.81	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290047	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48	10.2	6.72	16.9	22.4	0.83	1.29	0.68	<0.02	0.2	0.26	1.52	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290147	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50	12	7.35	19.4	25.0	0.84	1.24	0.78	<0.02	0.2	0.28	1.53	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290247	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.51	12.8	7.53	20.3	26.3	0.88	1.40	0.81	<0.02	0.2	0.30	1.63	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290347	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52	12.7	7.47	20.2	26.2	0.87	1.39	0.80	<0.02	0.2	0.30	1.63	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290447	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.57	15.2	8.09	23.3	29.8	0.92	1.46	0.90	<0.02	0.2	0.33	1.79	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290547	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.51	12.3	7.35	19.6	25.7	0.94	1.34	0.82	<0.02	0.2	0.31	1.66	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290647	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.60	14.5	7.88	22.4	28.9	0.99	1.48	0.84	<0.02	0.2	0.35	1.80	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290747	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50	13.4	6.72	20.1	25.9	0.85	1.25	0.79	<0.02	0.2	0.31	1.61	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290847	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52	12.7	7.74	20.4	26.3	0.90	1.25	0.76	<0.02	0.2	0.32	1.66	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290947	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.49	12.2	6.83	19	24.8	0.87	1.22	0.74	<0.02	0.2	0.31	1.64	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291047	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52	12.2	6.84	19	25.0	0.88	1.32	0.77	<0.02	0.2	0.31	1.66	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291147	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48	10.6	6.43	17	22.5	0.86	1.02	0.69	<0.02	0.2	0.28	1.75	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291247	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.53	13.1	7.16	20.3	26.6	0.92	1.25	0.78	<0.02	0.3	0.34	2.02	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291347	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.56	12.6	9.26	21.9	29.7	1.34	1.75	0.80	<0.02	0.3	0.39	2.38	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291447	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.44	8.18	6.72	14.9	21.1	1.13	1.01	0.58	<0.02	0.6	0.34	1.90	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291547	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.36	9.16	5.68	14.8	19.5	0.87	0.90	0.55	<0.02	0.2	0.22	1.37	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Feb 2021	0908_SW060_210219	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.95	18.7	10.4	29.1	40.2	1.42	1.78	1.46	<0.02	0.6	0.66	3.83	0.42	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	26 Mar 2021	0908_QC100_210326	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.12	4.28	1.58	5.86	6.86	0.12	0.14	0.14	<0.02	<0.1	0.08	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	26 Mar 2021	0908_QC200_210326	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.086	2.8	1.4	4.2	-	0.1	0.12	0.093	<0.01	0.063	0.067	0.26	0.039	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW060	26 Mar 2021	0908_SW060_210326	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.12	4.26	1.58	5.84	6.84	0.11	0.14	0.14	<0.02	<0.1	0.08	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	23 Apr 2021	0908_SW060_210423	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.62	12	8.75	20.8	26.6	0.64	0.98	0.64	<0.02	0.3	0.39	2.03	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	11 May 2021	0908_SW060_210511	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.59	10.7	6.08	16.8	21.6	0.53	0.68	0.62	<0.02	0.2	0.31	1.64	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	25 Jun 2021	0908_SW060_210625	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.79	14.9	8.06	23	29.0	0.63	0.96	0.78	<0.02	0.2	0.40	2.00	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	30 Jul 2021	0908_SW060_210730	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.69	15.3	6.94	22.2	27.6	0.58	0.64	0.69	<0.02	0.2	0.33	1.91	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Aug 2021	0908_SW060_210820	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.81	10.5	4.21	14.7	21.7	0.72	1.10	0.87	<0.02	0.3	0.47	2.43	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	27 Sep 2021	0908_SW060_210927	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.66	13	8.29	21.3	28.5	0.86	1.14	0.85	<0.02	<0.1	0.49	2.84	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	25 Oct 2021	0908_SW060_211025	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.85	16.3	8.41	24.7	34.2	1.07	1.42	0.94	<0.02	0.5	0.77	3.50	0.43	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	15 Nov 2021	0908_SW060_211115	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.62	13.4	8.04	21.4	29.7	1.22	1.14	0.63	<0.02	0.4	0.60	3.29	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	18 May 2022	0908_SW060_220518	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.31	7.21	3.9	11.1	14.1	0.35	0.50	0.35	<0.02	0.1	0.18	1.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Nov 2022	0908_QC109_221109	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.62	16.1	7.12	23.2	28.9	0.61	0.68	0.75	<0.02	0.2	0.38	2.14	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Nov 2022	0908_QC209_221109	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.57	16	6	22	27	0.60	0.72	0.62	<0.02	0.21	0.34	1.7	0.25	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW060	09 Nov 2022	0908_SW060_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.60	16.3	6.9	23.2	28.6	0.56	0.92	0.71	<0.02	0.2	0.30	1.80	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	11 May 2023	0908_SW060_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Region 3	0.79	15	13.4	28.4	38.7	1.66	2.32	0.80	<0.02	0.4	0.57	3.35	0.44	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	23 Nov 2023	0908_SW060_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Region 3	0.09	1.2	1.96	3.16	4.40	0.22	0.22	0.12	<0.02	<0.1	0.07	0.47	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Apr 2024	0908_SW060_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.49	9.73	10.4	20.1	28.0	1.19	1.85	0.62	<0.02	0.4	0.44	2.15	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Sep 2024	0908_QC101_240919	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.85	17.8	9.12	26.9	34.3	0.79	1.31	0.92	<0.02	0.3	0.42	2.16	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Sep 2024	0908_QC201_240919	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.78	21	11	32	39	0.82	1.1	1.1	<0.02	0.22	0.40	1.9	0.35	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW060	19 Sep 2024	0908_SW060_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.76	17.8	8.1	25.9	32.4	0.63	0.84	0.63	<0.02	0.3	0.49	2.25	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	17 Jun 2014	DD5_WATER	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	0.11	0.41	0.52	-	0.15	-	-	<0.01	-	0.07	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW062	13 Jan 2016	DD5_SW_1312016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.002	0.088	-	0.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW062	14 Dec 2016	DD5_SW_161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05	0.76	0.8	1.56	2.06	0.1	0.18	<0.05	<0.05	<0.1	<0.05	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW062	12 Apr 2018	DD5_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.09	*2.69*	1.21	**3.9**	4.64	0.11	0.12	0.09	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_DD5_SW_181207	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.1	*2.64*	1.35	**3.99**	4.86	0.13	0.14	0.1	<0.02	<0.1	0.08	0.26	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_QC110_SW_181207	Field_D	NSW_0908_PFAS	Broader Management Zone	Region 3	0.1	*2.35*	1.17	**3.52**	4.36	0.11	0.15	0.1	<0.02	<0.1	0.06	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_QC205_SW_181207	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Region 3	0.07	*2*	1.1	**3.1**	-	0.091	0.098	0.061	<0.01	<0.05	0.071	0.19	0.047	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.021	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW062	13 Jun 2019	0908_DD5_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.03	*1.07*	0.53	1.6	1.97	0.08	0.1	0.04	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	06 Nov 2019	0908_DD5_SW_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.06	*1.4*	0.78	**2.18**	2.91	0.11	0.14	0.05	<0.02	<0.1	0.09	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	02 Jun 2020	0908_SW062_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.12	*2.63*	1.96	**4.59**	5.85	0.28	0.26	0.06	<0.02	<0.1	0.11	0.36	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	20 Nov 2020	0908_SW062_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.12*	0.15	0.27	0.32	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	11 May 2021	0908_SW062_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.09	*2.32*	1.47	**3.79**	4.91	0.12	0.14	0.10	<0.02	<0.1	0.13	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	17 Nov 2021	0908_QC211_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.05*	0.12	0.17	0.21	0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
SW062	17 Nov 2021	0908_SW062_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.08*	0.13	0.21	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	16 May 2022	0908_SW062_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.12*	0.22	0.34	0.41	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Nov 2022	0908_SW062_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.13*	0.08	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	11 May 2023	0908_SW062_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01	*0.12*	0.21	0.33	0.41	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	23 Nov 2023	0908_SW062_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	0.52	*10*	8.46	**18.5**	26.6	1.08	1.10	0.70	<0.02	0.4	0.57	3.50	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	22 Apr 2024	0908_SW062_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	0.03	*0.82*	0.72	1.54	2.02	0.07	0.10	0.04	<0.02	<0.1	0.06	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	20 Sep 2024	0908_SW062_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	0.03	*0.6*	0.51	1.11	1.38	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	14 Jan 2016	TC2_SW_1412016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.008	*0.11*	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-
SW079	14 Dec 2016	TC2_SW_161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.03	*0.52*	0.88	1.4	1.78	0.11	0.1	0.05	<0.02	<0.1	<0.02	0.05	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	02 Feb 2017	TC2_SW_020217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05	*1.34*	0.35	1.69	1.69	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
SW079	09 Feb 2017	TC2_SW_090217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05	*0.4*	0.78	1.18	1.39	0.1	0.06	<0.05	<0.05	<0.2	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	16 Feb 2017	TC2_SW_16022017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05	*0.22*	0.38	0.6	1.07	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	24 Feb 2017	TC2_SW_240217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05	*0.26*	0.36	0.62	0.96	0.1	0.08	<0.05	<0.05	<0.2	0.06	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	03 Mar 2017	TC2_SW_030317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05	*0.44*	0.32	0.76	0.82	0.06	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	09 Mar 2017	TC2_SW_090317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.12*	0.06	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 Mar 2017	TC2_SW_20170316	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.06*	0.04	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	23 Mar 2017	TC2_SW_23032017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.17*	0.49	0.66	0.83	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	30 Mar 2017	TC2_SW_300317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.21*	0.52	0.73	0.93	0.06	0.07	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	05 Apr 2017	TC2_SW_050417	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.02	*0.15*	0.65	0.8	0.97	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	04 May 2017	TC2_SW_040517	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.18*	0.53	0.71	-	0.04	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	01 Jun 2017	TC2_SW_010617	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.24*	0.61	0.85	0.93	0.03	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	20 Jul 2017	TC2_SW_200717	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.15*	0.5	0.65	0.81	0.03	0.05	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	12 Apr 2018	TC2_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.02	*0.29*	0.49	0.78	0.96	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	06 Dec 2018	0908_TC2_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.02	*0.53*	0.38	0.91	1.13	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	13 Jun 2019	0908_TC2_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.22*	0.25	0.47	0.57	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	05 Nov 2019	0908_TC2_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	02 Jun 2020	0908_SW079_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.12*	0.5	0.62	0.81	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	26 Nov 2020	0908_SW079_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.28*	0.24	0.52	0.61	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	11 May 2021	0908_SW079_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.01	*0.21*	0.32	0.53	0.67	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	12 Nov 2021	0908_SW079_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.23*	0.17	0.4	0.49	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 May 2022	0908_SW079_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.01	*0.4*	0.37	0.77	0.93	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	07 Nov 2022	0908_SW079_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.35*	0.19	0.54	0.66	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	09 May 2023	0908_SW079_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01	*0.21*	0.27	0.48	0.61	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	21 Nov 2023	0908_QC102_231121	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	21 Nov 2023	0908_QC202_231121	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01	<0.01	0.01	0.01	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
SW079	21 Nov 2023	0908_SW079_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	0.02	*0.46*	0.33	0.79	1.03	0.03	0.03	0.02	<0.02	<0.1	0.03	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 Apr 2024	0908_SW079_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	0.01	*0.23*	0.51	0.74	0.96	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	25 Sep 2024	0908_SW079_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	<0.01	*0.15*	0.28	0.43	0.57	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	13 Jan 2016	TFD1_SW_1312016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.002	*0.007*	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-
SW081	14 Dec 2016	TFD1_SW_161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.04*	<0.02	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW081	06 Dec 2018	0908_TFD1_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01	*0.1*	<0.02	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW081	05 Nov 2019	0908_QC105_191105	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	05 Nov 2019	0908_QC205_191105	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.031*	0.016	0.047	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05	
SW081	05 Nov 2019	0908_TFD1_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	02 Jun 2020	0908_SW081_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW081	12 Nov 2020	0908_SW081_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	11 May 2021	0908_SW081_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	30 Nov 2021	0908_SW081_211130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	16 May 2022	0908_SW081_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	08 Nov 2022	0908_SW081_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	11 May 2023	0908_SW081_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	23 Nov 2023	0908_SW081_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	23 Apr 2024	0908_SW081_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	<0.01	*0.05*	0.11	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	20 Sep 2024	0908_SW081_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	23 Jun 2014	LC1_WATER	Normal	NSW_0908_PFAS	On-base	-	0.13	*0.25*	0.67	0.92	-	0.07	-	-	<0.01	-	0.04	0.35	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW108	20 Nov 2015	LC_SW_20112015	Normal	NSW_0908_PFAS	On-base	-	0.236	*13.4*	-	**13.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-
SW108	14 Jan 2016	LC_SW_1412016	Normal	NSW_0908_PFAS	On-base	-	0.191	*10.6*	-	**10.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW108	14 Sep 2016	LC_140916	Normal	NSW_0908_PFAS	On-base	-	0.12	*11*	1.2	**12.2**	-	0.072	0.11	0.12	<0.01	<0.5	0.081	0.3	0.038	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.013	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
SW108	16 Dec 2016	LC_SW_161216	Normal	NSW_0908_PFAS	On-base	-	0.1	*8.76*	1.48	**10.2**	11.1	0.12	0.12	0.14	<0.02	<0.1	0.07	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	16 Dec 2016	LC_SW_161216	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**10.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	03 Feb 2017	LC_SW_030217	Normal	NSW_0908_PFAS	On-base	-	0.1	*7.97*	0.77	**8.74**	9.53	0.06	0.09	0.04	<0.02	<0.1	<0.02	0.46	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Feb 2017	QC405_SW_030217	Field_D	NSW_0908_PFAS	On-base	-	0.11	*9.13*	1.14	**10.27**	11.3	0.07	0.09	0.05	<0.02	<0.1	0.13	0.55	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Feb 2017	QC405_SW_030217	Field_D	NSW_0908_PFAS	On-base	-	-	-	-	**10.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	10 Feb 2017	LC_SW_100217	Normal	NSW_0908_PFAS	On-base	-	0.12	*4.85*	1.43	**6.28**	7.72	0.11	0.14	0.13	<0.05	<0.2	0.36	0.5	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW108	10 Feb 2017	QC406_SW_100217	Field_D	NSW_0908_PFAS	On-base	-	0.1	*4.55*	1.38	**5.93**	7.28	0.11	0.14	0.12	<0.05	<0.2	0.32	0.48	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW108	10 Feb 2017	QC505_SW_100217	Interlab_D	NSW_0908_PFAS	On-base	-	-	-	-	**3.91**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	17 Feb 2017	LC_SW_17022017	Normal	NSW_0908_PFAS	On-base	-	0.11	*6.28*	1.4	**7.68**	8.9	0.12	0.12	0.09	<0.02	<0.1	0.16	0.56	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	24 Feb 2017	LC_SW_240217	Normal	NSW_0908_PFAS	On-base	-	0.09	*3.23*	1.2	**4.43**	5.46	0.1	0.1	0.06	<0.02	<0.1	0.16	0.49	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Mar 2017	LC_SW_030317	Normal	NSW_0908_PFAS	On-base	-	0.07	*2.8*	0.9	**3.7**	4.51	<0.02	0.06	0.05	<0.02	<0.1	0.15	0.46	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Mar 2017	LC_SW_100317	Normal	NSW_0908_PFAS	On-base	-	0.08	*4.01*	0.89	**4.9**	5.76	0.05	0.07	0.05	<0.02	<0.1	0.13	0.4	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	17 Mar 2017	LC_SW_20170317	Normal	NSW_0908_PFAS	On-base	-	0.06	*3.67*	1.08	**4.75**	5.56	0.07	0.08	0.06	<0.02	<0.1	0.12	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	23 Mar 2017	LC_SW_220317	Normal	NSW_0908_PFAS	On-base	-	0.06	*2.38*	0.86	**3.24**	3.97	0.05	0.07	0.05	<0.02	<0.1	0.11	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	31 Mar 2017	LC_SW_310317	Normal	NSW_0908_PFAS	On-base	-	0.06	*3.28*	0.89	**4.17**	4.76	0.04	0.06	0.04	<0.02	<0.1	0.11	0.26	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	LC_SW_070417	Normal	NSW_0908_PFAS	On-base	-	0.08	*3.14*	1.17	**4.31**	5.04	0.06	0.08	0.06	<0.02	<0.1	0.13	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	QC416_SW_070417	Field_D	NSW_0908_PFAS	On-base	-	0.08	*3.42*	1.21	**4.63**	5.35	0.06	0.09	0.06	<0.02	<0.1	0.12	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	QC516_SW_070417	Interlab_D	NSW_0908_PFAS	On-base	-	0.054	*2.6*	0.77	**3.37**	-	0.045	-	-	<0.02	0.057	0.13	0.27	0.032	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW108	05 May 2017	LC_SW_050517	Normal	NSW_0908_PFAS	On-base	-	0.08	*4.64*	1.54	**6.18**	-	0.06	0.11	0.09	<0.02	<0.1	<0.02	0.3	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	02 Jun 2017	LC_SW_020617	Normal	NSW_0908_PFAS	On-base	-	0.07	*3.47*	1.06	**4.53**	5.42	0.08	0.08	0.05	<0.02	<0.1	0.18	0.3	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	21 Jul 2017	LC_SW_210717	Normal	NSW_0908_PFAS	On-base	-	0.07	*5.29*	0.99	**6.28**	6.85	0.04	0.07	0.06	<0.02	<0.1	0.1	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	12 Apr 2018	LC_SW_13042018	Normal	NSW_0908_PFAS	On-base	-	0.09	*4.8*	0.92	**5.72**	6.48	0.04	0.07	0.06	<0.02	<0.1	0.12	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Dec 2018	0908_LC_SW_181207	Normal	NSW_0908_PFAS	On-base	-	0.1	*4.85*	0.92	**5.77**	6.72	0.05	0.07	0.07	<0.02	<0.1	0.21	0.4	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	14 Jun 2019	0908_LC_SW_190614	Normal	NSW_0908_PFAS	On-base	-	0.07	*4.11*	0.8	**4.91**	5.85	0.04	0.06	0.06	<0.02	<0.1	0.12	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.32	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	06 Nov 2019	0908_LC_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.10	*4.48*	1.28	**5.76**	7.28	0.11	0.08	0.08	<0.02	<0.1	0.19	0.58	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	22 May 2020	0908_SW108_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*5.8*	0.92	**6.72**	7.84	0.06	0.07	0.08	<0.02	<0.1	0.13	0.29	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.35	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	27 Nov 2020	0908_SW108_201127	Normal	NSW_0908_PFASOMP	On-base	-	0.16	*8.73*	1.98	**10.7**	12.1	0.06	0.11	0.13	<0.02	<0.1	0.21	0.54	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	11 May 2021	0908_SW108_210511	Normal	NSW_0908_PFASOMP	On-base	-	0.10	*6.34*	1.14	**7.48**	8.28	0.04	0.07	0.08	<0.02	<0.1	0.10	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	16 Nov 2021	0908_SW108_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*4.73*	1.03	**5.76**	6.71	0.06	0.07	0.06	<0.02	<0.1	0.10	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	19 May 2022	0908_QC110_220519	Field_D	NSW_0908_PFASOMP	On-base	-	0.08	*6.98*	0.79	**7.77**	8.41	0.03	0.06	0.06	<0.02	<0.1	0.07	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	19 May 2022	0908_SW108_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*7.71*	0.89	**8.6**	9.30	0.03	0.06	0.07	<0.02	<0.1	0.07	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Nov 2022	0908_QC114_221110	Field_D	NSW_0908_PFASOMP	On-base	-	0.08	*4*	1.13	**5.13**	5.73	0.05	0.07	0.08	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Nov 2022	0908_QC214_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.08	*4.2*	0.98	**5.2**	5.8	0.09	0.07	0.09	<0.02	<0.02	0.05	0.18	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW108	10 Nov 2022	0908_SW108_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.10	*4.48*	1	**5.48**	6.12	0.05	0.09	0.09	<0.02	<0.1	0.05	0.21	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 May 2023	0908_SW108_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.11	*10.6*	1.1	**11.7**	12.6	0.06	0.08	0.12	<0.02	<0.1	0.11	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	22 Nov 2023	0908_SW108_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.08	*5.54*	0.83	**6.37**	6.86	0.03	0.04	0.06	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	18 Apr 2024	0908_SW108_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.05	*3.12*	0.67	**3.79**	4.20	0.03	0.05	0.04	<0.02	<0.1	0.06	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	24 Sep 2024	0908_SW108_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.11	*7.44*	0.96	**8.4**	9.57	0.04	0.05	0.06	<0.02	<0.1	0.12	0.33	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	LC_B_SW_161216	Normal	NSW_0908_PFAS	On-base	-	0.1	*9.46*	1.43	**10.89**	11.8	0.12	0.13	0.12	<0.02	<0.1	0.08	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	LC_B_SW_161216	Normal	NSW_0908_PFAS	On-base	-	-	-	-	**10.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW110	16 Dec 2016	QC402_SW_161216	Field_D	NSW_0908_PFAS	On-base	-	0.12	*9.82*	1.58	**11.4**	12.3	0.13	0.11	0.12	<0.02	<0.1	0.08	0.37	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	QC502_WS_161216	Interlab_D	NSW_0908_PFAS	On-base	-	0.087	*14*	1.2	**15.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SW110	12 Apr 2018	LC_B_SW_13042018	Normal	NSW_0908_PFAS	On-base	-	0.08	*3.46*	0.81	**4.27**	4.89	0.04	0.05	0.05	<0.02	<0.1	0.12	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	07 Dec 2018	0908_LC_B_SW_181207	Normal	NSW_0908_PFAS	On-base	-	0.1	*5.41*	0.91	**6.32**	7.29	0.05	0.07	0.07	<0.02	<0.1	0.22	0.41	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_LC_B_SW_190614	Normal	NSW_0908_PFAS	On-base	-	0.05	*1.64*	0.6	**2.24**	2.88	0.04	0.06	0.04	<0.02	<0.1	0.1	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_QC121_190614	Field_D	NSW_0908_PFAS	On-base	-	0.06	*1.9*	0.78	**2.68**	3.48	0.04	0.06	0.04	<0.02	<0.1	0.12	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW110	14 Jun 2019	0908_QC221_190614	Interlab_D	NSW_0908_PFAS	On-base	-	0.057	*1.7*	0.72	**2.42**	-	0.046	0.051	0.033	<0.01	0.056	0.12	0.23	0.044	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.16	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW110	06 Nov 2019	0908_LC_B_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*3.39*	1.04	**4.43**	5.62	0.08	0.05	0.07	<0.02	<0.1	0.15	0.46	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	22 May 2020	0908_SW110_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*4.42*	1	**5.42**	6.44	0.06	0.08	0.07	<0.02	<0.1	0.13	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	27 Nov 2020	0908_SW110_201127	Normal	NSW_0908_PFASOMP	On-base	-	0.16	*12.3*	1.96	**14.3**	16.7	0.07	0.10	0.13	0.92	<0.1	0.20	0.57	0.07	<0.02	<0.02	0.03	0.04	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.09	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	11 May 2021	0908_SW110_210511	Normal	NSW_0908_PFASOMP	On-base	-	0.10	*5.24*	1.1	**6.34**	7.14	0.05	0.07	0.08	<0.02	<0.1	0.09	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Nov 2021	0908_SW110_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*5.96*	0.96	**6.92**	7.87	0.07	0.07	0.05	<0.02	<0.1	0.10	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	19 May 2022	0908_SW110_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.08	*5.33*	0.86	**6.19**	6.86	0.03	0.06	0.06	<0.02	<0.1	0.08	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	10 Nov 2022	0908_SW110_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.09	*5.41*	1.08	**6.49**	7.08	0.04	0.06	0.09	<0.02	<0.1	0.05	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	10 May 2023	0908_SW110_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.11	*8.55*	1.13	**9.68**	10.5	0.05	0.08	0.11	<0.02	<0.1	0.10	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	22 Nov 2023	0908_SW110_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.11	*7.61*	1.13	**8.74**	9.47	0.04	0.06	0.09	<0.02	<0.1	0.07	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	18 Apr 2024	0908_SW110_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.05	*2.74*	0.59	**3.33**	3.69	0.02	0.04	0.03	<0.02	<0.1	0.06	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	25 Sep 2024	0908_SW110_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10	*5.84*	0.95	**6.79**	7.92	0.04	0.06	0.06	<0.02	<0.1	0.12	0.30	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.34	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	17 Feb 2017	FCD4_SW_17022017	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05	*0.08*	<0.05	0.08	0.08	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	24 Feb 2017	FCD4_SW_240217	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05	*0.38*	0.1	0.48	0.48	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	03 Mar 2017	FCD4_SW_030317	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05	*0.15*	<0.05	0.15	1.39	<0.05	<0.05	<0.05	<0.05	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	10 Mar 2017	FCD4_SW_100317	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05	*0.39*	0.22	0.61	0.68	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	0.07	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	16 Mar 2017	FCD4_SW_20170316	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05	*0.33*	0.24	0.57	0.57	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	24 Mar 2017	FCD4_SW_24/3/17	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.01	*0.28*	0.31	0.59	0.75	0.06	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	FCD4_SW_310317	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.02	*0.42*	0.44	0.86	1.12	0.06	0.07	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	QC415_SW_310317	Field_D	NSW_0908_PFAS	Broader Management Zone	Marine	0.02	*0.4*	0.44	0.84	1.08	0.06	0.06	0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	QC515_SW_310317	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Marine	0.022	*0.39*	0.52	0.91	-	0.064	-	-	<0.02	<0.05	<0.02	0.095	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW259	07 Apr 2017	FCD4_SW_070417	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.04	*0.56*	1.1	1.66	2.18	0.15	0.14	0.04	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	02 Jun 2017	FCD4_SW_020617	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.01	*0.67*	1.62	**2.29**	2.64	0.1	0.14	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Jul 2017	FCD4_SW_210717	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.1	*1.97*	1.44	**3.41**	4.22	0.11	0.15	0.1	<0.02	<0.1	0.05	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	12 Apr 2018	FCD4_SW_13042018	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.04	*0.8*	0.82	1.62	2.03	0.09	0.08	0.03	<0.02	<0.1	0.03	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	07 Dec 2018	0908_FCD4_SW_181207	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.01	*0.24*	0.2	0.44	0.55	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	14 Jun 2019	0908_FCD4_SW_190614	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05	*0.26*	0.56	0.82	1.02	0.1	0.1	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	08 Nov 2019	0908_FCD4_SW_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	<0.05	*0.84*	0.91	1.75	2.09	0.10	0.12	<0.05	<0.05	<0.2	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	25 May 2020	0908_SW259_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.3*	0.66	0.96	1.40	0.11	0.12	0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	13 Nov 2020	0908_SW259_201113	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*1.63*	1.03	**2.66**	3.31	0.08	0.12	0.06	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	18 Dec 2020	0908_SW259_201218	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	<0.01	*0.13*	0.12	0.25	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211601	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.57*	0.59	1.16	1.46	0.05	0.06	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211701	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.57*	0.58	1.15	1.45	0.06	0.06	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211801	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.46*	0.48	0.94	1.19	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211901	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.42*	0.41	0.83	1.06	0.04	0.05	0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212001	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.01	*0.35*	0.32	0.67	0.80	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.01	*0.29*	0.28	0.57	0.68	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212201	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.4*	0.39	0.79	0.98	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212301	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.01	*0.36*	0.35	0.71	0.85	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220001	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.46*	0.53	0.99	1.26	0.05	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.48*	0.67	1.15	1.46	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220201	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.65*	0.63	1.28	1.60	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220301	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.58*	0.66	1.24	1.58	0.06	0.07	0.04	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220401	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.45*	0.51	0.96	1.21	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220501	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.53*	0.5	1.03	1.26	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220601	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.48*	0.8	1.28	1.67	0.07	0.08	0.04	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220701	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.51*	0.71	1.22	1.57	0.06	0.07	0.03	<0.02	<0.1	0.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220801	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.58*	0.81	1.39	1.81	0.07	0.08	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220901	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.36*	0.58	0.94	1.22	0.05	0.06	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221001	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.42*	0.44	0.86	1.05	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.71*	0.97	1.68	2.18	0.09	0.10	0.04	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221201	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.68*	0.97	1.65	2.14	0.09	0.10	0.04	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221301	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.51*	0.87	1.38	1.82	0.08	0.09	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221401	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.62*	0.8	1.42	1.86	0.08	0.09	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221501	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.53*	0.63	1.16	1.48	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_210129	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.63*	0.44	1.07	1.36	0.04	0.04	0.03	<0.02	<0.1	0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*1.74*	1.16	**2.9**	3.49	0.08	0.11	0.08	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*1.31*	0.93	**2.24**	2.81	0.08	0.10	0.06	<0.02	<0.1	0.04	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*1.04*	0.76	1.8	2.29	0.07	0.08	0.05	<0.02	<0.1	0.04	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Region	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
SW259	29 Jan 2021	0908_SW259_2101291930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.91*	0.64	1.55	1.96	0.06	0.07	0.04	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.95*	0.65	1.6	2.02	0.06	0.07	0.04	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*1.1*	0.69	1.79	2.23	0.06	0.07	0.05	<0.02	<0.1	0.03	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*1.07*	0.68	1.75	2.18	0.06	0.07	0.05	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.95*	0.61	1.56	1.94	0.05	0.06	0.04	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.7*	0.45	1.15	1.41	0.04	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.62*	0.4	1.02	1.23	0.03	0.04	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.67*	0.48	1.15	1.45	0.04	0.06	0.03	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.83*	0.57	1.4	1.79	0.06	0.07	0.04	<0.02	<0.1	0.03	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.69*	0.63	1.32	1.68	0.06	0.06	0.03	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.96*	0.8	1.76	2.28	0.09	0.09	0.05	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.46*	0.38	0.84	1.09	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*1*	1.16	**2.16**	2.87	0.10	0.13	0.07	<0.02	<0.1	0.05	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*0.95*	1.16	**2.11**	2.80	0.10	0.13	0.06	<0.02	<0.1	0.05	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*0.83*	1.01	1.84	2.45	0.09	0.11	0.06	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*0.96*	1.1	**2.06**	2.71	0.10	0.12	0.07	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*1.01*	1.15	**2.16**	2.85	0.10	0.13	0.06	<0.02	<0.1	0.05	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*0.93*	1.13	**2.06**	2.71	0.09	0.11	0.06	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.83*	0.85	1.68	2.17	0.07	0.09	0.05	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.75*	0.77	1.52	1.97	0.06	0.08	0.04	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*0.9*	0.84	1.74	2.25	0.07	0.09	0.05	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	19 Feb 2021	0908_SW259_210219	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*1.21*	0.92	**2.13**	2.70	0.09	0.08	0.06	<0.02	<0.1	0.05	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	26 Mar 2021	0908_SW259_210326	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02	*0.43*	0.26	0.69	0.81	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2021	0908_QC100_210423	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.09	*2.94*	1.19	**4.13**	4.84	0.07	0.10	0.06	<0.02	<0.1	0.08	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2021	0908_QC200_210423	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.064	*2.4*	0.87	**3.27**	-	0.058	0.068	0.036	<0.01	<0.05	0.06	0.18	0.035	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.027	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW259	23 Apr 2021	0908_SW259_210423	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.76*	0.58	1.34	1.70	0.04	0.06	0.04	<0.02	<0.1	0.02	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	10 May 2021	0908_SW259_210510	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*0.85*	0.58	1.43	1.79	0.06	0.06	0.04	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	25 Jun 2021	0908_SW259_210625	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*1.11*	0.86	1.97	2.51	0.07	0.09	0.05	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jul 2021	0908_SW259_210730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*1.25*	0.76	**2.01**	2.52	0.06	0.07	0.06	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	20 Aug 2021	0908_SW259_210820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*0.88*	0.70	1.58	2.05	0.06	0.08	0.05	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 Sep 2021	0908_SW259_210927	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05	*1.32*	0.78	**2.1**	2.71	0.09	0.10	0.05	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	25 Oct 2021	0908_SW259_211025	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.08	*1.32*	1.00	**2.32**	3.08	0.10	0.12	0.07	<0.02	<0.1	0.06	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	26 Nov 2021	0908_SW259_211126	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03	*0.66*	0.53	1.19	1.62	0.08	0.06	0.03	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 May 2022	0908_SW259_220527	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04	*0.85*	0.43	1.28	1.54	0.03	0.04	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	15 Nov 2022	0908_SW259_221115	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06	*1.20*	0.78	1.98	2.47	0.06	0.08	0.05	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	16 May 2023	0908_SW259_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Marine	0.04	*0.82*	0.87	1.69	2.12	0.08	0.09	0.05	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 Nov 2023	0908_SW259_231127	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Marine	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2024	0908_SW259_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Marine	0.02	*0.39*	0.49	0.88	1.17	0.06	0.07	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	20 Sep 2024	0908_SW259_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Marine	0.06	*1.04*	0.64	1.68	2.20	0.06	0.10	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	16 Dec 2020	0908_SW333_201216	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Region 3	0.31	*1.49*	4.76	**6.25**	10.9	0.78	0.99	0.32	<0.02	0.2	0.30	1.60	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	22 Apr 2024	0908_SW333_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.04	*0.37*	1.10	1.47	2.17	0.12	0.18	0.06	<0.02	<0.1	0.03	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	19 Sep 2024	0908_SW333_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.07	*0.81*	0.94	1.75	2.94	0.08	0.12	0.09	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.49	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	23 Apr 2021	0908_SW582_210423	Normal	NSW_0908_PFASMGMT	On-base	-	0.13	*4.75*	1.67	**6.42**	7.36	0.05	0.11	0.14	<0.02	<0.1	0.08	0.37	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	08 Jul 2021	0908_QC100_210708	Field_D	NSW_0908_PFASMGMT	On-base	-	0.08	*4.15*	0.90	**5.05**	5.61	0.05	0.07	0.08	<0.02	<0.1	0.06	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	08 Jul 2021	0908_QC200_210708	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.07	*4.2*	0.99	**5.1**	5.7	0.05	0.06	0.1	<0.02	0.05	0.05	0.15	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW582	08 Jul 2021	0908_SW582_210708	Normal	NSW_0908_PFASMGMT	On-base	-	0.08	*5.09*	0.94	**6.03**	6.61	0.05	0.08	0.08	<0.02	<0.1	0.06	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	14 Sep 2021	0908_SW582_210914	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	*0.08*	<0.02	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	13 Jul 2022	0908_SW582_220713	Normal	NSW_0908_PFASMGMT	On-base	-	0.09	*7.48*	0.86	**8.34**	8.87	0.05	0.06	0.07	<0.02	<0.1	0.06	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	12 Aug 2022	0908_SW582_220812	Normal	NSW_0908_PFASMGMT	On-base	-	0.01	*0.43*	0.16	0.59	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	24 Apr 2024	0908_SW582_240424	Normal	NSW_0908_PFASOMP_24	On-base	-	0.06	*3.78*	0.64	**4.42**	4.80	0.03	0.05	0.05	<0.02	<0.1	0.03	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	03 Sep 2024	0908_SW582_240903	Normal	NSW_0908_PFASMGMT_24	On-base	-	0.08	*4.69*	0.76	**5.45**	5.96	0.05	0.06	0.08	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	25 Sep 2024	0908_SW582_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.08	*4.04*	0.79	**4.83**	5.32	0.04	0.05	0.09	<0.02	<0.1	0.04	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	21 Nov 2024	0908_SW582_241121	Normal	NSW_0908_PFASMGMT_24	On-base	-	0.08	*4.56*	0.80	**5.36**	5.89	0.04	0.05	0.08	<0.02	<0.1	0.05	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	23 Apr 2021	0908_SW588_210423	Normal	NSW_0908_PFASMGMT	On-base	-	0.15	*8.07*	2.67	**10.7**	12.3	0.21	0.32	0.25	<0.02	<0.1	0.09	0.50	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	08 Jul 2021	0908_SW588_210708	Normal	NSW_0908_PFASMGMT	On-base	-	0.12	*9.18*	1.67	**10.8**	12.2	0.18	0.24	0.17	<0.02	<0.1	0.08	0.47	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	14 Sep 2021	0908_SW588_210914	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	13 Jul 2022	0908_SW588_220713	Normal	NSW_0908_PFASMGMT	On-base	-	0.01	*0.54*	0.09	0.63	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	03 Sep 2024	0908_SW588_240903	Normal	NSW_0908_PFASMGMT_24	On-base	-	0.08	*2.73*	0.92	**3.65**	4.30	0.09	0.08	0.11	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	25 Sep 2024	0908_SW588_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.03	*1.81*	0.41	**2.22**	2.44	0.02	0.03	0.04	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T6 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**																														
SW588	22 Nov 2024	0908_SW588_241122	Normal	NSW_0908_PFASMGMT_24	On-base	-	0.01	*0.59*	0.12	0.71	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	25 Nov 2022	0908_SW600_221125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06	*1.42*	0.69	**2.11**	2.65	0.06	0.07	0.05	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	15 May 2023	0908_SW600_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.06	*1.36*	1.24	**2.6**	3.37	0.15	0.16	0.07	<0.02	<0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	27 Nov 2023	0908_SW600_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.02	*0.40*	0.28	0.68	0.83	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	22 Apr 2024	0908_SW600_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.06	*1.30*	1.35	**2.65**	3.63	0.16	0.22	0.08	<0.02	<0.1	0.06	0.30	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	19 Sep 2024	0908_SW600_240919	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.09	*1.76*	1.01	**2.77**	3.62	0.10	0.16	0.11	<0.02	<0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR Limit of Reporting
Normal Primary sample
Field_D Intra-laboratory duplicate sample
Interlab_D Inter-laboratory duplicate sample

Table T7 - Historical Sediment Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
SD001	18 Jun 2014	MD1_SEDIMENT	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.005	0.17	<0.005	0.17	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD001	13 Jan 2016	MD1_SD_13012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005	0.0015	-	0.0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD001	14 Dec 2016	MD1_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0774	0.0143	0.0917	0.103	0.0013	0.0015	0.002	<0.0002	<0.001	<0.0002	0.002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0036	<0.0005	0.0003	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.096	0.0213	0.117	0.133	0.0015	0.0022	0.0019	<0.0002	<0.001	<0.0002	0.0049	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0045	<0.0005	0.0005	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	Secondary Management Zone	-	-	-	0.1173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	14 Dec 2016	QC701_20161214	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	0.0031	0.076	0.0065	0.0825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-
SD001	12 Apr 2018	MD1_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0022	0.0002	0.0024	0.0024	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.146	0.0096	0.1556	0.184	0.0037	0.0012	<0.0002	0.0015	<0.001	0.0005	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	0.0011	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0182	<0.0006	<0.0002	<0.0006	<0.0006	0.0004	<0.0006
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	-	-	-	0.156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0014	0.13	0.0144	0.144	0.165	0.0009	0.0011	0.0029	0.0045	<0.001	0.0012	0.0029	0.0006	<0.0002	<0.0002	<0.0002	0.0016	0.0017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	-	-	-	0.1444	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	05 Nov 2019	0908_MD1_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0006	0.0974	0.0086	0.106	0.108	<0.0002	<0.0002	0.0009	<0.0002	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	02 Jun 2020	0908_SD001_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0010	0.0239	0.0018	0.0257	0.0257	<0.0010	<0.0010	<0.0010	<0.0010	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0025	<0.0010	<0.0025	<0.0025	<0.0010	<0.0025
SD001	20 Nov 2020	0908_QC103_201120	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	0.0004	0.0401	0.0058	0.0459	0.0478	0.0002	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	20 Nov 2020	0908_QC203_201120	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.001	0.044	0.014	0.058	-	<0.001	<0.001	<0.001	<0.001	0.003	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD001	20 Nov 2020	0908_SD001_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004	0.0393	0.0057	0.0450	0.0471	0.0003	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	11 May 2021	0908_SD001_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004	0.0787	0.0076	0.0863	0.0916	0.0003	0.0005	0.0019	<0.0002	<0.001	<0.0002	0.0005	<0.0002	0.0004	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	19 Nov 2021	0908_QC115_211119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0191	0.0023	0.0214	0.0214	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	19 Nov 2021	0908_QC215_211119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0001	0.011	0.0007	0.012	0.013	<0.0001	<0.0001	0.0001	0.0004	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD001	19 Nov 2021	0908_SD001_211119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0003	0.0207	0.0031	0.0238	0.0260	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	18 May 2022	0908_SD001_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0014	0.0002	0.0016	0.0016	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	08 Nov 2022	0908_SD001_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0936	0.0082	0.102	0.107	0.0006	0.0006	<0.0002	<0.0002	<0.001	<0.0002	0.0012	0.0006	<0.0002	<0.0002	<0.0002	0.0012	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	08 May 2023	0908_SD001_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0010	0.142	0.0073	0.149	0.154	<0.0002	<0.0002	0.0017	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	21 Nov 2023	0908_SD001_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0007	0.143	0.0093	0.152	0.157	0.0006	0.0006	0.0003	0.0005	<0.001	0.0007	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	24 Apr 2024	0908_SD001_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0006	0.176	0.0239	0.200	0.215	0.0012	0.0020	0.0025	<0.0002	<0.001	0.0016	0.0021	0.0017	<0.0002	<0.0002	<0.0002	0.0009	<0.0002	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	0.0015	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	25 Sep 2024	0908_SD001_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0004	0.133	0.0149	0.148	0.155	0.0004	0.0005	0.0028	<0.0002	<0.001	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	19 Jun 2014	MD5_SEDIMENT	Normal	NSW_0908_PFAS	Broader Management Zone	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD005	25 Jan 2016	MD5_SD_25012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD005	20 Dec 2016	MD5_SED_161220	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.003	0.0052	0.0082	0.0102	0.0006	<0.0002	0.0004	<0.0002	<0.001	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0012	<0.0002	0.0012	0.0016	<0.0002	<0.0002	0.0004	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD005	06 Dec 2018	0908_MD5_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0019	0.0003	0.0022	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	13 Jun 2019	0908_MD5_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	06 Nov 2019	0908_MD5_SD_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	04 Jun 2020	0908_SD005_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0032	0.0006	0.0038	0.0038	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	20 Nov 2020	0908_SD005_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0010	0.0320	0.0015	0.0335	0.0380	<0.0002	<0.0002	0.0002	<0.0002	<0.001	0.0011	0.0017	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	11 May 2021	0908_SD005_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0105	0.0008	0.0113	0.0113	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	17 Nov 2021	0908_SD005_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0117	0.0020	0.0137	0.0137	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	18 May 2022	0908_SD005_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	08 Nov 2022	0908_SD005_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0011	0.0417	0.0023	0.0440	0.0489	0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0012	0.0020	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	09 May 2023	0908_QC113_230509	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0116	0.0004	0.0120	0.0120	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	09 May 2023	0908_QC213_230509	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0001	0.025	0.0006	0.025	0.026	<0.0001	<0.0001	0.0002	0.0003	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD005	09 May 2023	0908_SD005_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0232	0.0007	0.0239	0.0239	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	21 Nov 2023	0908_SD005_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0058	0.0007	0.0065	0.0065	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	16 Apr 2024	0908_QC105_240416	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0081	0.0004	0.0085	0.0087	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	16 Apr 2024	0908_QC205_240416	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0004	0.0097	0.0006	0.01	0.01	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD005	16 Apr 2024	0908_SD005_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	0.0002	0.0069	0.0003	0.0072	0.0074	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	27 Sep 2024	0908_SD005_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0083	0.0006	0.0089	0.0089	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	23 Jun 2014	MD6_SEDIMENT	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.005	0.018	<0.005	0.018	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD006	13 Jan 2016	MD6_SD_13012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005	0.0185	-	0.0185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD006	14 Dec 2016	MD6_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0238	0.0015	0.0253	0.026	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	12 Apr 2018	MD6_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0002	0.0208	0.0018	0.0226	0.023	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	06 Dec 2018	0908_MD6_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0002	0.0157	0.0021	0.0178	0.0186	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	14 Jun 2019	0908_MD6_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0729	0.004	0.0769	0.0769	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	05 Nov 2019	0908_MD6_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0018	<0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	02 Jun 2020	0908_SD006_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0002	0.0988	0.0026	0.101	0.103	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0009	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	20 Nov 2020	0908_SD006_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0077	0.0003	0.0080	0.0080	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	11 May 2021	0908_SD006_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0038	1.20	0.0398	1.24	1.28	0.0004	0.0009	0.0045	0.0045	<0.001	0.0092	0.0070	0.0013	0.0003	0.0006	0.0007	0.0056	<0.0002	<0.0006	<0.0005	0.0013	0.0009	<0.0005	0.0038	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	17 Nov 2021	0908_SD006_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004	0.131	0.0064	0.137	0.140	<0.0002	<0.0002	0.0004	0.0004	<0.001	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	18 May 2022	0908_SD006_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0296	0.0010	0.0306	0.0308	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	08 Nov 2022	0908_SD006_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.336	0.0034	0.339	0.346	<0.0002	<0.0002	<0.0002	0.0025	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0019	<0.0002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	08 May 2023	0908_SD006_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0004	0.200	0.0075	0.208	0.211	<0.0002	0.0002	0.0008	<0.0002	<0.001	0.0004	0.0007	0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	21 Nov 2023	0908_SD006_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0006	0.859	0.0239	0.883	0.905	0.0004	0.0003	0.0030	0.0082	<0.001	0.0016	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	0.0042	0.0007	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0015	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	24 Apr 2024	0908_SD006_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0007	0.391	0.0123	0.403	0.417	<0.0002	0.0003	0.0010	<0.0002	0.003	0.0026	0.0011	0.0005	0.0003	0.0006	0.0004	0.0023	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	25 Sep 2024	0908_SD006_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0006	0.532	0.0199	0.552	0.579	0.0005	0.0004	0.0028	0.0076	<0.001	0.0024	0.0018	0.0004	<0.0002	0.0007	0.0012	0.0040	0.0011	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	13 Jan 2016	MD7_SD_13012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD007	14 Dec 2016	MD7_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.001	0.0003	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T7 - Historical Sediment Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
SD007	12 Apr 2018	MD7_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0031	0.0004	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	QC100_SED_12042018	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0021	0.0002	0.0023	0.0023	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	QC200_SED_12042018	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	<0.001	0.0035	<0.001	0.0045	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD007	06 Dec 2018	0908_MD7_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0241	0.0014	0.0255	0.0257	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	14 Jun 2019	0908_MD7_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.011	0.0002	0.0112	0.0112	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	05 Nov 2019	0908_MD7_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0249	0.0010	0.0259	0.0259	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	02 Jun 2020	0908_SD007_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0066	0.0006	0.0072	0.0072	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	20 Nov 2020	0908_SD007_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0156	0.0005	0.0161	0.0161	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	11 May 2021	0908_SD007_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0068	0.0005	0.0073	0.0073	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	16 Nov 2021	0908_SD007_211116	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0471	0.0011	0.0482	0.0487	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	18 May 2022	0908_SD007_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0050	0.0006	0.0056	0.0056	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	08 Nov 2022	0908_SD007_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0088	0.0009	0.0097	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	08 May 2023	0908_SD007_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0383	0.0007	0.0390	0.0395	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	21 Nov 2023	0908_SD007_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0150	0.0010	0.0160	0.0160	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	24 Apr 2024	0908_SD007_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0101	0.0006	0.0107	0.0107	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	25 Sep 2024	0908_SD007_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0417	0.0015	0.0432	0.0437	<0.0002	<0.0002	0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	28 Jan 2016	MD8_SD_28012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD009	14 Dec 2016	MD8_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0004	0.0868	0.0116	0.0984	0.103	0.0006	0.0007	0.0021	<0.0002	<0.001	<0.0002	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	01 May 2018	MD8_SED_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0003	0.0702	0.0105	0.0807	0.0867	<0.0002	0.0003	0.0009	0.0024	<0.001	<0.0002	0.0003	<0.0002	<0.0002	0.0003	0.0003	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	<0.0002	0.0006	0.0006	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	-	-	-	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD009	13 Jun 2019	0908_MD8_SD_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0016	0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	06 Nov 2019	0908_MD8_SD_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0057	0.0005	0.0062	0.0062	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	24 Jun 2020	0908_SD009_200624	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0051	0.0003	0.0054	0.0054	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	26 Nov 2020	0908_SD009_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0002	0.0556	0.0030	0.0586	0.0598	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	11 May 2021	0908_SD009_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0247	0.0012	0.0259	0.0259	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 Nov 2021	0908_SD009_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0171	0.0009	0.0180	0.0188	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 May 2022	0908_QC105_220517	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0194	0.0016	0.0210	0.0226	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 May 2022	0908_QC205_220517	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	0.0001	0.035	0.0013	0.036	0.039	<0.0001	<0.0001	0.0003	0.001	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	0.002	<0.001	<0.0002	<0.001	<0.001	<0.0004	<0.005
SD009	17 May 2022	0908_SD009_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0077	0.0004	0.0081	0.0085	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 Nov 2022	0908_QC107_221108	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0062	0.0008	0.0070	0.0070	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 Nov 2022	0908_QC207_221108	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0001	0.0059	0.0005	0.0064	0.0067	<0.0001	<0.0001	<0.0001	0.0003	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD009	08 Nov 2022	0908_SD009_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0133	0.0013	0.0146	0.0159	0.0005	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 May 2023	0908_QC104_230508	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0176	0.0011	0.0187	0.0195	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 May 2023	0908_QC204_230508	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0001	0.028	0.0015	0.029	0.03	<0.0001	<0.0001	0.0003	0.0003	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.002	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.005
SD009	08 May 2023	0908_SD009_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0131	0.0008	0.0139	0.0146	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	21 Nov 2023	0908_SD009_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0112	0.0007	0.0119	0.0119	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	22 Apr 2024	0908_SD009_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0002	0.0179	0.0048	0.0227	0.0254	<0.0002	<0.0002	0.0004	0.0012	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	23 Sep 2024	0908_QC105_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0099	0.0005	0.0104	0.0104	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	23 Sep 2024	0908_QC205_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0001	0.0066	0.0005	0.0071	0.0071	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.002	<0.0005	<0.005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD009	23 Sep 2024	0908_SD009_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0082	0.0005	0.0087	0.0087	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	12 Feb 2016	MD10_SD_12022016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005	0.0006	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.001	-	-	-	-	-	-	-	-
SD011	12 Feb 2016	QC103_SD_12022016	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.0005	0.0006	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.001	-	-	-	-	-	-	-	-
SD011	13 Feb 2017	MD10_SED_130217	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0028	0.0005	0.0033	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	07 Dec 2018	0908_MD10_SD_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0002	0.0154	0.0015	0.0169	0.0187	<0.0002	<0.0002	0.0002	0.0002	<0.001	0.0003	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	13 Jun 2019	0908_MD10_SD_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0084	0.0006	0.009	0.009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	06 Nov 2019	0908_MD10_SD_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0065	0.0004	0.0069	0.0069	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	19 Jun 2020	0908_SD011_200619	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004	0.0359	0.0022	0.0381	0.0396	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 Nov 2020	0908_QC107_201126	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	0.0002	0.0651	0.0034	0.0685	0.0695	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 Nov 2020	0908_QC207_201126	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.001	0.027	0.0015	0.0285	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD011	26 Nov 2020	0908_SD011_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0003	0.125	0.0133	0.138	0.160	0.0016	0.0006	0.0013	0.0085	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0094	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 May 2021	0908_SD011_110526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0217	0.0007	0.0224	0.0224	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0050	<0.0020	<0.0050	<0.0050	<0.0002	<0.0050
SD011	11 May 2023	0908_SD011_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0396	0.0011	0.0407	0.0410	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	28 Nov 2023	0908_QC113_231128	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0191	0.0007	0.0198	0.0211	0.0010	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	28 Nov 2023	0908_QC213_231128	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0001	0.018	0.0008	0.019	0.019	<0.0001	<0.0001	0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0025	<0.005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.0002	<0.01
SD011	28 Nov 2023	0908_SD011_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0200	0.0007	0.0207	0.0210	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	23 Apr 2024	0908_SD011_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0082	0.0008	0.0090	0.0090	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 Sep 2024	0908_SD011_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0300	0.0009	0.0309	0.0311	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	20 Dec 2016	MD14_SED_161220	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0024	<0.0002	0.0024	0.0229	0.0147	0.0031	0.0003	0.0009	<0.001	0.0015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0002	<0.0002	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	-	-	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0017	<0.0002	0.0017	0.0021	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	-	-	-	0.0019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0011	<0.0002	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	-	-	-	0.0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	Broader Management Zone	-	-	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T7 - Historical Sediment Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
SD014	13 Jun 2019	0908_QC220_190613	Interlab_D	NSW_0908_PFAS	Broader Management Zone	<0.001	0.0028	<0.001	0.0038	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD014	05 Nov 2019	0908_MD14_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0011	<0.0002	0.0011	0.0017	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	04 Jun 2020	0908_SD014_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0093	0.0008	0.0101	0.0109	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	26 Nov 2020	0908_QC109_201126	Field_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0154	0.0008	0.0162	0.0171	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	26 Nov 2020	0908_QC209_201126	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.001	0.037	0.0026	0.0396	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD014	26 Nov 2020	0908_SD014_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0496	0.0028	0.0524	0.0524	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	11 May 2021	0908_SD014_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0002	0.0705	0.0053	0.0758	0.0787	<0.0002	0.0003	0.0006	0.0002	<0.001	<0.0002	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	17 Nov 2021	0908_QC212_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	0.0004	0.059	0.0063	0.065	0.068	0.0001	0.0002	0.0007	<0.0002	0.0003	0.0004	0.0007	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD014	17 Nov 2021	0908_SD014_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0005	0.0894	0.0083	0.0977	0.102	0.0006	0.0004	0.0006	<0.0002	<0.001	0.0004	0.0010	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	16 May 2022	0908_SD014_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0039	0.0002	0.0041	0.0044	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	07 Nov 2022	0908_QC104_221107	Field_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0255	0.0020	0.0275	0.0275	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	07 Nov 2022	0908_QC204_221107	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0001	0.0096	0.0004	0.01	0.01	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD014	07 Nov 2022	0908_SD014_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0508	0.0020	0.0528	0.0544	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	09 May 2023	0908_QC207_230509	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0005	0.024	0.0011	0.025	0.025	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.0005	<0.0005	<0.001	<0.001	<0.01	<0.01	<0.002	<0.01	<0.01	<0.002	<0.05
SD014	09 May 2023	0908_SD014_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0291	0.0010	0.0301	0.0301	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	21 Nov 2023	0908_SD014_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0565	0.0025	0.0590	0.0686	0.0049	<0.0002	<0.0002	0.0005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0042	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	16 Apr 2024	0908_SD014_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0554	0.0031	0.0585	0.0790	<0.0002	0.0003	0.0003	0.0035	<0.001	<0.0002	<0.0002	0.0006	<0.0002	0.0116	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0039	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	27 Sep 2024	0908_SD014_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	30 Jan 2017	TC12_SED_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0245	0.0025	0.027	0.0273	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0035	<0.0002	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	-	-	-	0.0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD019	06 Dec 2018	0908_TC12_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	14 Jun 2019	0908_TC12_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0212	0.0012	0.0224	0.0224	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD019	07 Nov 2019	0908_TC12_SD_191107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0006	<0.0002	0.0006	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	26 May 2020	0908_SD019_200526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0044	0.0004	0.0048	0.0048	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Nov 2020	0908_SD019_201112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004	0.0117	0.0019	0.0136	0.0150	<0.0002	<0.0002	0.0002	<0.0002	<0.001	0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	10 May 2021	0908_SD019_210510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0007	0.116	0.0138	0.130	0.134	0.0005	0.0007	0.0016	<0.0002	<0.001	<0.0002	0.0008	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Nov 2021	0908_SD019_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0053	<0.0002	0.0053	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	27 May 2022	0908_SD019_220527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0125	0.0007	0.0132	0.0132	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	14 Nov 2022	0908_SD019_221114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0008	0.0283	0.0028	0.0311	0.0342	<0.0002	<0.0002	0.0003	<0.0002	<0.001	0.0004	0.0013	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	17 May 2023	0908_SD019_230517	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0007	<0.0002	0.0007	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	28 Nov 2023	0908_SD019_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0123	0.0008	0.0131	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	22 Apr 2024	0908_SD019_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0053	<0.0002	0.0053	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	20 Sep 2024	0908_SD019_240920	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0056	0.0008	0.0064	0.0074	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0012	<0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD023	05 Nov 2019	0908_TC6a_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0059	0.0006	0.0065	0.0065	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	04 Jun 2020	0908_SD023_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0002	0.0101	0.0013	0.0114	0.0116	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	20 Nov 2020	0908_SD023_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0040	0.0003	0.0043	0.0043	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	11 May 2021	0908_SD023_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0163	0.0014	0.0177	0.0179	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 Nov 2021	0908_QC113_211117	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 Nov 2021	0908_SD023_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0020	<0.0002	0.0020	0.0020	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 May 2022	0908_SD023_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	08 Nov 2022	0908_SD023_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0186	0.0009	0.0195	0.0195	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	09 May 2023	0908_SD023_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0192	0.0011	0.0203	0.0206	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	20 Nov 2023	0908_SD023_231120	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0055	0.0004	0.0059	0.0059	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC108_240416	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0249	0.0017	0.0266	0.0268	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC208_240416	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0004	0.025	0.0014	0.027	0.027	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD023	16 Apr 2024	0908_SD023_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0269	0.0021	0.0290	0.0290	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	27 Sep 2024	0908_SD023_240927	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0013	<0.0002	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	21 Jan 2016	TC7_SD_21012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005	0.0136	0.0044	0.018	-	<0.0002	-	-	<0.0002	-	-	0.0007	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.006	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD024	14 Dec 2016	TC7_SED_20161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0006	<0.0002	0.0006	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	06 Dec 2018	0908_TC7_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0028	0.0003	0.0031	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	13 Jun 2019	0908_TC7_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0023	0.0002	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	05 Nov 2019	0908_TC7_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0017	0.0003	0.0020	0.0020	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	04 Jun 2020	0908_SD024_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0005	0.0097	0.0014	0.0111	0.0119	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	20 Nov 2020	0908_SD024_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0170	0.0011	0.0181	0.0184	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	11 May 2021	0908_SD024_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0005	0.0445	0.0040	0.0485	0.0501	<0.0002	<0.0002	0.0008	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	17 Nov 2021	0908_QC213_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0001	0.0028	0.0004	0.0032	0.0032	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD024	17 Nov 2021	0908_SD024_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0034	0.0005	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	16 May 2022	0908_SD024_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0031	0.0012	0.0043	0.0043	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	08 Nov 2022	0908_SD024_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0840	0.0059	0.0899	0.0902	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	09 May 2023	0908_SD024_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0731	0.0025	0.0756	0.0764	<0.0002	<0.0002	0.0008	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	20 Nov 2023	0908_SD024_231120	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	0.0017	0.0248	0.0008	0.0256	0.0286	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0007	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	16 Apr 2024	0908_SD024_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	0.0052	0.0627	0.0030	0.0657	0.0798	<0.0002	<0.0002	0.0006	<0.0002	<0.001	0.0018	0.0040	0.0016	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	27 Sep 2024	0908_SD024_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	0.0003	0.0103	0.0005	0.0108	0.0111	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	17 Nov 2014	BD03_SD01_171114	Normal	NSW_0908_PFAS	On-base	<0.005	0.015	0.017	0.032	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	0.007	<0.005	-	-	<0.005	-	-

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
SD047	17 Nov 2014	QC100_171114	Field_D	NSW_0908_PFAS	On-base	<0.005	0.053	0.012	0.065	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	0.011	<0.005	-	-	<0.005	-	-
SD047	14 Jan 2016	BD03_SD_14012016	Normal	NSW_0908_PFAS	On-base	0.0016	0.0377	0.0122	0.0499	-	<0.0002	-	-	0.0017	-	-	0.0007	0.0006	0.0004	0.0003	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	0.0007	<0.001	-	<0.001	<0.001	-	<0.001
SD047	14 Sep 2016	BD03_0.0-0.1_140916	Normal	NSW_0908_PFAS	On-base	<0.0005	0.012	0.00052	0.01252	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD047	14 Sep 2016	BD03_0.3-0.4_140916	Normal	NSW_0908_PFAS	On-base	<0.0005	0.017	0.00061	0.01761	-	<0.0005	<0.0005	<0.0005	0.00057	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD047	16 Dec 2016	BD03_SED_161216	Normal	NSW_0908_PFAS	On-base	0.0002	0.0285	0.0046	0.0331	0.0364	0.0002	0.0003	0.0004	0.0004	<0.001	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	12 Apr 2018	BD03_SED_13042018	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0034	0.0005	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	07 Dec 2018	0908_BD03_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0005	0.0187	0.0033	0.022	0.0257	<0.0002	0.0002	0.0003	0.0002	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0017	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	14 Jun 2019	0908_BD03_SD_190614	Normal	NSW_0908_PFAS	On-base	0.0006	0.0431	0.0033	0.0464	0.0527	0.0005	0.0003	0.0004	0.0018	<0.001	0.0002	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	06 Nov 2019	0908_BD04_SD_191106	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0006	0.0005	0.0011	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	22 May 2020	0908_SD047_200522	Normal	NSW_0908_PFASOMP	On-base	0.0014	0.131	0.0102	0.141	0.162	0.0027	0.0007	0.0015	0.0015	<0.001	0.0007	0.0023	0.0005	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0097	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	27 Nov 2020	0908_SD047_201127	Normal	NSW_0908_PFASOMP	On-base	0.0013	0.0542	0.0074	0.0616	0.0798	0.0038	0.0004	0.0011	0.0008	0.001	0.0006	0.0017	0.0004	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0062	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	11 May 2021	0908_SD047_210511	Normal	NSW_0908_PFASOMP	On-base	0.0003	0.0416	0.0083	0.0499	0.0561	0.0013	0.0002	0.0003	0.0005	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0026	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	16 Nov 2021	0908_SD047_211116	Normal	NSW_0908_PFASOMP	On-base	0.0011	0.364	0.0186	0.383	0.408	0.0011	0.0012	0.0019	0.0051	<0.001	<0.0002	0.0030	0.0006	<0.0002	<0.0002	<0.0002	0.0007	0.0007	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0090	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	19 May 2022	0908_SD047_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0016	0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	10 Nov 2022	0908_SD047_221110	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0264	0.0010	0.0274	0.0276	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	10 May 2023	0908_SD047_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002	0.0057	0.0008	0.0065	0.0067	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	23 Nov 2023	0908_SD047_231123	Normal	NSW_0908_PFASOMP_23	On-base	0.0002	0.0713	0.0036	0.0749	0.0760	<0.0002	<0.0002	0.0003	<0.0002	<0.001	0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	18 Apr 2024	0908_SD047_240418	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002	0.0497	0.0028	0.0525	0.0532	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	24 Sep 2024	0908_SD047_240924	Normal	NSW_0908_PFASOMP_24	On-base	0.0004	0.0685	0.0057	0.0742	0.0759	<0.0002	<0.0002	0.0006	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	17 Nov 2014	BD04_SD01_171114	Normal	NSW_0908_PFAS	On-base	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD048	20 Jan 2016	BD04_SD_20012016	Normal	NSW_0908_PFAS	On-base	<0.0005	0.001	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD048	16 Dec 2016	BD04_SED_161216	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0009	0.0004	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	12 Apr 2018	BD04_SED_13042018	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0004	0.0005	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	07 Dec 2018	0908_BD04_SD_181207	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0005	0.0003	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	14 Jun 2019	0908_BD04_SD_190614	Normal	NSW_0908_PFAS	On-base	0.0003	0.0035	0.0015	0.005	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 May 2020	0908_SD048_200522	Normal	NSW_0908_PFASOMP	On-base	0.0003	0.0018	0.0013	0.0031	0.0036	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	27 Nov 2020	0908_SD048_201127	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0012	0.0006	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	11 May 2021	0908_SD048_210511	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	16 Nov 2021	0908_SD048_211116	Normal	NSW_0908_PFASOMP	On-base	0.0002	0.0039	0.0019	0.0058	0.0067	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	19 May 2022	0908_SD048_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0033	0.0014	0.0047	0.0058	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0004	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	10 Nov 2022	0908_SD048_221110	Normal	NSW_0908_PFASOMP	On-base	0.0006	0.0103	0.0040	0.0143	0.0174	<0.0002	0.0002	<0.0002	<0.0002	<0.001	0.0010	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	10 May 2023	0908_SD048_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002	0.0026	0.0008	0.0034	0.0034	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 Nov 2023	0908_QC110_231122	Field_D	NSW_0908_PFASOMP_23	On-base	0.0003	0.0156	0.0030	0.0186	0.0189	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 Nov 2023	0908_QC210_231122	Interlab_D	NSW_0908_PFASOMP_23	On-base	0.0003	0.0085	0.0018	0.01	0.011	<0.0001	0.0001	0.0003	<0.0002	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD048	22 Nov 2023	0908_SD048_231122	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002	0.0021	0.0005	0.0026	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	18 Apr 2024	0908_SD048_240418	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002	0.0056	0.0010	0.0066	0.0066	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	24 Sep 2024	0908_SD048_240924	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002	0.0040	0.0015	0.0055	0.0055	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	23 Jun 2014	DD1_SEDIMENT	Normal	NSW_0908_PFAS	On-base	<0.005	0.008	<0.005	0.008	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD055	26 Jun 2014	QC6_SEDIMENT	Interlab_D	NSW_0908_PFAS	On-base	<0.0005	0.0039	0.0003	0.0042	-	<0.0002	-	-	0.0006	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD055	14 Jan 2016	DD1_SD_14012016	Normal	NSW_0908_PFAS	On-base	<0.0005	0.007	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD055	16 Dec 2016	DD1_SED_161216	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0055	0.0015	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	12 Apr 2018	DD1_SED_13042018	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0011	0.0007	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	07 Dec 2018	0908_DD1_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0004	0.0042	0.0062	0.0104	0.0136	<0.0002	0.0002	<0.0002	0.0009	<0.001	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	13 Jun 2019	0908_DD1_SD_190613	Normal	NSW_0908_PFAS	On-base	<0.0002	0.003	0.0004	0.0034	0.0055	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0021	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	05 Nov 2019	0908_DD1_SD_191105	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0008	0.0006	0.0014	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	22 May 2020	0908_SD055_200522	Normal	NSW_0908_PFASOMP	On-base	0.0003	0.0083	0.0009	0.0092	0.0115	<0.0002	<0.0002	<0.0002	0.0002	<0.001	0.0005	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	23 Nov 2020	0908_SD055_201123	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0022	0.0003	0.0025	0.0028	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	11 May 2021	0908_SD055_210511	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0136	0.0023	0.0159	0.0185	<0.0002	<0.0002	<0.0002	0.0011	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	16 Nov 2021	0908_QC109_211116	Field_D	NSW_0908_PFASOMP	On-base	<0.0002	0.0048	0.0013	0.0061	0.0061	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	16 Nov 2021	0908_SD055_211116	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0038	0.0011	0.0049	0.0049	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	19 May 2022	0908_QC209_220519	Interlab_D	NSW_0908_PFASOMP	On-base	<0.0001	0.01	0.0006	0.011	0.011	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD055	19 May 2022	0908_SD055_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0092	0.0007	0.0099	0.0099	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	10 Nov 2022	0908_SD055_221110	Normal	NSW_0908_PFASOMP	On-base	0.0003	0.0323	0.0054	0.0377	0.0423	<0.0002	<0.0002	0.0002	0.0022	<0.001	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	10 May 2023	0908_SD055_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002	0.0137	0.0022	0.0159	0.0167	<0.0002	<0.0002	0.0003	0.0005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	22 Nov 2023	0908_SD055_231122	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002	0.0019	0.0006	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	17 Apr 2024	0908_SD055_240417	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002	0.0071	0.0015	0.0086	0.0091	<0.0002	<0.0002	0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	24 Sep 2024	0908_SD055_240924	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002	0.0028	0.0005	0.0033	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	19 Jun 2014	DD2_SEDIMENT	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.005	0.24	0.042	0.282	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD059	14 Jan 2016	DD2_SD_14012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005	0.0011	-	0.0011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD059	14 Jan 2016	QC200_SD_1412016	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.002	<0.002	-	<0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-
SD059	14 Dec 2016	DD2_SED_161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0066	0.001	0.0076	0.0076	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	12 Apr 2018	DD2_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0018	0.0003	0.0021	0.0026	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0006	<0.0002	0.0006	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	-	-	-	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD059	13 Jun 2019	0908_DD2_SD_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002	0.0008	0.0003	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	05 Nov 2019	0908_DD2_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0153	0.0018	0.0171	0.0193	<0.0002	<0.0002	<0.0002	0.0013	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	04 Jun 2020	0908_SD059_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0124	0.0016	0.0140	0.0152	<0.0002	<0.0002	<0.0002	0.0006	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**																														
SD059	13 Nov 2020	0908_SD059_201113	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004	0.0662	0.0006	0.0668	0.0685	<0.0002	<0.0002	0.0005	0.0008	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	11 May 2021	0908_SD059_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0196	0.0018	0.0214	0.0265	<0.0002	<0.0002	0.0003	0.0041	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	15 Nov 2021	0908_SD059_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	17 May 2022	0908_SD059_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0026	<0.0002	0.0026	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	09 Nov 2022	0908_SD059_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 May 2023	0908_QC116_230516	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0005	0.0004	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 May 2023	0908_QC216_230516	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0001	0.0003	0.0003	0.0006	0.0006	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD059	16 May 2023	0908_SD059_230516	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	23 Nov 2023	0908_SD059_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002	0.0015	<0.0002	0.0015	0.0015	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 Apr 2024	0908_SD059_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0130	0.0026	0.0156	0.0164	<0.0002	<0.0002	<0.0002	0.0008	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	23 Sep 2024	0908_QC102_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	23 Sep 2024	0908_QC202_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0001	0.0010	0.0002	0.0013	0.0013	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD059	23 Sep 2024	0908_SD059_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002	0.0011	<0.0002	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	17 Jun 2014	DD3_SEDIMENT	Normal	NSW_0908_PFAS	Primary Management Zone	<0.005	0.098	0.039	0.137	-	0.027	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD060	25 Jun 2014	QC5_SEDIMENT	Field_D	NSW_0908_PFAS	Primary Management Zone	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD060	14 Jan 2016	DD3_SD_14012016	Normal	NSW_0908_PFAS	Primary Management Zone	<0.0005	0.0097	0.004	0.0137	-	0.0002	-	-	<0.0002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD060	14 Jan 2016	QC100_SD_13012016	Field_D	NSW_0908_PFAS	Primary Management Zone	<0.0005	0.0095	-	0.0095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	Primary Management Zone	0.0036	0.339	0.0384	0.377	0.395	0.0014	0.0026	0.0058	<0.0002	<0.001	0.0003	0.0037	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	Primary Management Zone	-	-	-	0.3774	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD060	12 Apr 2018	DD3_SED_12042018	Normal	NSW_0908_PFAS	Primary Management Zone	0.0021	0.0839	0.0301	0.114	0.13	0.0035	0.0025	0.0034	<0.0002	<0.001	<0.0002	0.0042	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	Primary Management Zone	0.0036	0.14	0.0664	0.206	0.239	0.0038	0.005	0.0097	<0.0002	<0.001	0.0014	0.0074	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	Primary Management Zone	-	-	-	0.2064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD060	13 Jun 2019	0908_DD3_SD_190613	Normal	NSW_0908_PFAS	Primary Management Zone	0.0002	0.0148	0.0042	0.019	0.021	0.0003	0.0004	0.0005	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	05 Nov 2019	0908_DD3_SD_191105	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0010	0.0971	0.0142	0.111	0.120	0.0011	0.0012	0.0023	<0.0002	<0.001	0.0004	0.0019	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	04 Jun 2020	0908_SD060_200604	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0004	0.0194	0.0047	0.0241	0.0271	0.0006	0.0005	0.0005	<0.0002	<0.001	<0.0002	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	20 Nov 2020	0908_SD060_201120	Normal	NSW_0908_PFASOMP	Primary Management Zone	<0.0002	0.0257	0.0014	0.0271	0.0273	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	11 May 2021	0908_SD060_210511	Normal	NSW_0908_PFASOMP	Primary Management Zone	<0.0002	0.0417	0.0022	0.0439	0.0452	0.0002	0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	15 Nov 2021	0908_SD060_211115	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0014	0.0912	0.0227	0.114	0.126	0.0015	0.0016	0.0039	<0.0002	<0.001	0.0003	0.0029	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	18 May 2022	0908_SD060_220518	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0014	0.226	0.0217	0.248	0.262	0.0015	0.0020	0.0048	<0.0002	<0.001	0.0007	0.0033	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC111_221109	Field_D	NSW_0908_PFASOMP	Primary Management Zone	0.0004	0.0213	0.0039	0.0252	0.0277	0.0002	0.0004	0.0006	<0.0002	<0.001	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC211_221109	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	0.0003	0.012	0.0025	0.014	0.016	0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	0.0007	0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD060	09 Nov 2022	0908_SD060_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0003	0.0149	0.0034	0.0183	0.0202	0.0002	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	11 May 2023	0908_SD060_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	<0.0002	0.0017	0.0006	0.0023	0.0023	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	23 Nov 2023	0908_SD060_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	0.0045	1.03	0.0848	1.11	1.16	0.0034	0.0053	0.0150	<0.0002	0.002	0.0012	0.0080	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	22 Apr 2024	0908_SD060_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	0.0012	0.0404	0.0172	0.0576	0.0684	0.0017	0.0020	0.0028	<0.0002	<0.001	0.0004	0.0023	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	19 Sep 2024	0908_QC100_240919	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	0.0009	0.164	0.0258	0.190	0.200	0.0012	0.0018	0.0043	<0.0002	<0.001	0.0003	0.0014	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	19 Sep 2024	0908_QC200_240919	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	0.0009	0.16	0.022	0.18	0.19	0.0012	0.0016	0.0053	<0.0002	<0.0002	0.0003	0.0013	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD060	19 Sep 2024	0908_SD060_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	0.0012	0.205	0.0213	0.226	0.240	0.0012	0.0018	0.0076	<0.0002	<0.001	<0.0002	0.0011	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	17 Jun 2014	DD5_SEDIMENT	Normal	NSW_0908_PFAS	Broader Management Zone	<0.005	0.056	<0.005	0.056	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD062	13 Jan 2016	DD5_SD_13012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005	0.0009	-	0.0009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD062	14 Dec 2016	DD5_SED_161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.001	0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	12 Apr 2018	DD5_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0079	0.0005	0.0084	0.0084	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_DD5_SD_181207	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0086	0.0004	0.009	0.0094	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_QC110_SD_181207	Field_D	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0066	0.0004	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_QC205_SD_181207	Interlab_D	NSW_0908_PFAS	Broader Management Zone	<0.001	0.0084	<0.001	0.0094	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD062	13 Jun 2019	0908_DD5_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0303	0.0018	0.0321	0.0321	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	06 Nov 2019	0908_DD5_SD_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0054	0.0006	0.0060	0.0060	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	02 Jun 2020	0908_SD062_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0004	0.0800	0.0060	0.0860	0.0888	0.0004	0.0004	0.0010	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	20 Nov 2020	0908_SD062_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0031	0.0004	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	11 May 2021	0908_SD062_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0312	0.0024	0.0336	0.0343	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	17 Nov 2021	0908_SD062_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0036	0.0003	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	16 May 2022	0908_SD062_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0004	0.0004	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Nov 2022	0908_SD062_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	11 May 2023	0908_SD062_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	23 Nov 2023	0908_SD062_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0192	0.0011	0.0203	0.0203	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	22 Apr 2024	0908_SD062_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0096	0.0003	0.0099	0.0099	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	20 Sep 2024	0908_SD062_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0026	0.0003	0.0029	0.0029	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	14 Jan 2016	TC2_SD_14012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005	0.0109	-	0.0109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD079	14 Dec 2016	TC2_SED_161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	12 Apr 2018	TC2_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0071	0.0011	0.0082	0.0093	<0.0002	<0.0002	0.0011	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0011	<0.0002	0.0011	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	-	-	-	0.0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD079	13 Jun 2019	0908_TC2_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0063	0.0007	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	05 Nov 2019	0908_TC2_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0017	0.0004	0.0021	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	02 Jun 2020	0908_SD079_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0003	0.0597	0.0040	0.0637	0.0652	0.0002	<0.0002	0.0006	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	26 Nov 2020	0908_SD079_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0271	0.0056	0.0327	0.0338	0.0003	0.0003	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	11 May 2021	0908_SD079_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0079	0.0030	0.0109	0.0114	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T7 - Historical Sediment Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	On-base/Management Zone	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR						0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
SD079	12 Nov 2021	0908_SD079_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0162	0.0018	0.0180	0.0182	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	16 May 2022	0908_SD079_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0038	0.0006	0.0044	0.0044	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	07 Nov 2022	0908_SD079_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0483	0.0070	0.0553	0.0553	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD079	09 May 2023	0908_SD079_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0363	0.0034	0.0397	0.0405	<0.0002	0.0003	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	21 Nov 2023	0908_QC104_231121	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	21 Nov 2023	0908_QC204_231121	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0001	0.0008	<0.0001	0.0008	0.0008	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD079	21 Nov 2023	0908_SD079_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0005	<0.0002	0.0005	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	16 Apr 2024	0908_SD079_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0157	0.0025	0.0182	0.0186	<0.0002	0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	25 Sep 2024	0908_SD079_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0182	0.0021	0.0203	0.0205	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	13 Jan 2016	TFD1_SD_13012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005	0.0095	-	0.0095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD081	14 Dec 2016	TFD1_SED_161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005	0.014	<0.0005	0.014	0.0145	0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	12 Apr 2018	TFD1_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0021	0.0004	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	07 Dec 2018	0908_TFD1_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005	0.024	0.0015	0.0255	0.0271	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	14 Jun 2019	0908_TFD1_SD_190614	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.019	0.0018	0.0208	0.0208	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	05 Nov 2019	0908_QC102_191105	Field_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0005	0.0174	0.0022	0.0196	0.0196	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	05 Nov 2019	0908_QC202_191105	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.002	0.015	<0.005	0.015	-	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SD081	05 Nov 2019	0908_TFD1_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0005	0.0174	0.0026	0.0200	0.0200	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	02 Jun 2020	0908_SD081_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0007	0.0434	0.0020	0.0454	0.0474	<0.0002	<0.0002	0.0006	<0.0002	<0.001	<0.0002	0.0005	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	12 Nov 2020	0908_SD081_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0002	0.0123	0.0006	0.0129	0.0134	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	11 May 2021	0908_SD081_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0037	0.0004	0.0041	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	17 Nov 2021	0908_SD081_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0062	<0.0002	0.0062	0.0062	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	16 May 2022	0908_SD081_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0178	0.0051	0.0229	0.0229	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD081	08 Nov 2022	0908_SD081_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0005	0.0004	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	11 May 2023	0908_SD081_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0038	0.0004	0.0042	0.0042	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD081	23 Nov 2023	0908_SD081_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002	0.0014	<0.0002	0.0014	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	23 Apr 2024	0908_SD081_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0021	<0.0002	0.0021	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	20 Sep 2024	0908_SD081_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002	0.0137	0.0022	0.0159	0.0159	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD108	23 Jun 2014	LC1_SEDIMENT	Normal	NSW_0908_PFAS	On-base	<0.005	2.3	0.34	2.64	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.011	0.27	-	<0.005	<0.005	-	-	<0.005	-	-
SD108	14 Jan 2016	LC_SD_14012015	Normal	NSW_0908_PFAS	On-base	0.0028	0.144	-	0.144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD108	14 Sep 2016	LC_0.0-0.1_140916	Normal	NSW_0908_PFAS	On-base	<0.0005	0.062	0.00082	0.06282	-	<0.0005	<0.0005	<0.0005	0.00077	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD108	16 Dec 2016	LC_SED_161216	Normal	NSW_0908_PFAS	On-base	0.0005	0.0396	0.0016	0.0412	0.0471	<0.0002	<0.0002	0.0003	0.0022	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0025	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	12 Apr 2018	LC_SED_13042018	Normal	NSW_0908_PFAS	On-base	0.0002	0.0216	0.0006	0.0222	0.0255	<0.0002	<0.0002	<0.0002	0.0009	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	0.0004	<0.0005
SD108	07 Dec 2018	0908_LC_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0002	0.0332	0.0016	0.0348	0.0384	<0.0002	<0.0002	<0.0002	0.0008	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0022	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	14 Jun 2019	0908_LC_SD_190614	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0166	0.0005	0.0171	0.0212	<0.0002	<0.0002	<0.0002	0.0007	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0016	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	06 Nov 2019	0908_BD03_SD_191106	Normal	NSW_0908_PFASOMP	On-base	0.0006	0.0317	0.0054	0.0371	0.0449	0.0008	0.0006	0.0004	<0.0002	<0.001	0.0008	0.0032	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	0.0002	<0.0005
SD108	06 Nov 2019	0908_LC_SD_191106	Normal	NSW_0908_PFASOMP	On-base	0.0004	0.0499	0.0034	0.0533	0.0692	0.0003	<0.0002	0.0003	0.0010	<0.001	0.0003	0.0022	0.0002	<0.0002	0.0003	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	0.0096	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	22 May 2020	0908_SD108_200522	Normal	NSW_0908_PFASOMP	On-base	0.0006	0.0372	0.0019	0.0391	0.0479	<0.0002	<0.0002	0.0002	0.0010	<0.001	0.0004	0.0010	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0052	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	27 Nov 2020	0908_SD108_201127	Normal	NSW_0908_PFASOMP	On-base	0.0008	0.232	0.0070	0.239	0.255	<0.0002	0.0003	0.0008	0.0042	0.002	0.0004	0.0011	0.0002	<0.0002	0.0002	<0.0002	0.0006	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0050	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	11 May 2021	0908_SD108_210511	Normal	NSW_0908_PFASOMP	On-base	0.0005	0.192	0.0070	0.199	0.218	0.0003	0.0003	0.0006	0.0061	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0100	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	16 Nov 2021	0908_SD108_211116	Normal	NSW_0908_PFASOMP	On-base	0.0005	0.181	0.0075	0.188	0.221	0.0044	0.0002	0.0007	0.0119	<0.001	<0.0002	0.0011	<0.0002	<0.0002	<0.0002	0.0003	0.0010	0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0126	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	19 May 2022	0908_QC109_220519	Field_D	NSW_0908_PFASOMP	On-base	<0.0002	0.0879	0.0043	0.0922	0.103	<0.0002	<0.0002	0.0004	0.0028	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0066	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	19 May 2022	0908_SD108_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0377	0.0016	0.0393	0.0435	<0.0002	<0.0002	<0.0002	0.0010	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0029	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	10 Nov 2022	0908_SD108_221110	Normal	NSW_0908_PFASOMP	On-base	0.0002	0.114	0.0079	0.122	0.139	<0.0002	0.0004	0.0004	0.0066	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	0.0010	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0081	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	10 May 2023	0908_SD108_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002	0.0077	0.0003	0.0080	0.0089	<0.0002	<0.0002	<0.0002	0.0006	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	23 Nov 2023	0908_SD108_231123	Normal	NSW_0908_PFASOMP_23	On-base	0.0004	0.190	0.0097	0.200	0.213	<0.0002	0.0004	0.0010	0.0033	<0.001	0.0011	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0058	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	18 Apr 2024	0908_SD108_240418	Normal	NSW_0908_PFASOMP_24	On-base	0.0012	0.271	0.0188	0.290	0.328	<0.0002	0.0008	0.0019	0.0067	<0.001	0.0013	0.0010	0.0004	0.0002	<0.0002	<0.0002	0.0008	<0.0002	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	0.0231	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	25 Sep 2024	0908_SD108_240925	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002	0.0698	0.0016	0.0714	0.0905	<0.0002	<0.0002	0.0003	0.0110	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0076	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	LC_B_SED_161216	Normal	NSW_0908_PFAS	On-base	<0.0002	0.0096	0.0002	0.0098	0.0101	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	QC602_SED_161216	Field_D	NSW_0908_PFAS	On-base	<0.0002	0.0203	0.0006	0.0209	0.0216	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	QC702_SD_161216	Interlab_D	NSW_0908_PFAS	On-base	<0.002	0.059	0.0025	0.0615	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD110	12 Apr 2018	LC_B_SED_13042018	Normal	NSW_0908_PFAS	On-base	0.0004	0.0112	0.0007	0.0119	0.0164	<0.0002	<0.0002	<0.0002	0.001	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0027	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	07 Dec 2018	0908_LC_B_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0004	0.0288	0.0016	0.0304	0.0375	<0.0002	<0.0002	<0.0002	0.0006	<0.001	0.0005	0.0009	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0045	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_LC_B_SD_190614	Normal	NSW_0908_PFAS	On-base	0.0007	0.0548	0.0023	0.0571	0.0688	<0.0002	<0.0002	0.0002	0.0039	<0.001	0.0002	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0057	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_QC121_190614	Field_D	NSW_0908_PFAS	On-base	<0.0002	0.0137	0.0008	0.0145	0.0176	<0.0002	<0.0002	<0.0002	0.0011	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_QC221_190614	Interlab_D	NSW_0908_PFAS	On-base	<0.001	0.0081	0.0012	0.0093	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD110	06 Nov 2019	0908_LC_B_SD_191106	Normal	NSW_0908_PFASOMP	On-base	0.0004	0.0433	0.0026	0.0459	0.0534	0.0002	<0.0002	0.0002	0.0004	<0.001	0.0009	0.0019	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0033	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	22 May 2020	0908_SD110_200522	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.0110	0.0007	0.0117	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	27 Nov 2020	0908_SD110_201127	Normal	NSW_0908_PFASOMP	On-base	0.0005	0.0703	0.0028	0.0731	0.0810	<0.0002	<0.0002	0.0003	0.0021	<0.001	0.0007	0.0009	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0028	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	11 May 2021	0908_SD110_210511	Normal	NSW_0908_PFASOMP	On-base	0.0011	0.268	0.0130	0.281	0.318	0.0004	0.0005	0.0015	0.0085	<0.001	<0.0002	0.0013	0.0003	<0.0002	<0.0002	<0.0002	0.0006	0.0007	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0211	<0.0005	0.0005	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Nov 2021	0908_SD110_211116	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.189	0.0083	0.197	0.259	0.0022	0.0003	0.0005	0.0028	<0.001	0.0012	0.0044	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0498	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	19 May 2022	0908_SD110_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002	0.200	0.0054	0.205	0.238	<0.0002	<0.0002	0.0015	0.0006	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0015	<0.0005	<0.0005	0.0280	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	10 Nov 2022	0908_SD110_221110	Normal	NSW_0908_PFASOMP	On-base	0.0006	0.0967	0.0170	0.114	0.129	0.0007	0.0005	0.0007	0.0013	0.001	0.0023	0.0020	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0054	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	10 May 2023	0908_SD110_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002	0.169	0.0058	0.175	0.233	<0.0002	0.0003	0.0005	0.0022	<0.001	0.0006	0.0022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0520	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	23 Nov 2023	0908_SD110_231123	Normal	NSW_0908_PFASOMP_23	On-base	0.0019	0.517	0.0196	0.537	0.590	0.0019	<0.0005	0.0021	0.0021	<0.002	0.0006	0.0021	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	0.0020	<0.0005	<0.0005	0.0398	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD110	18 Apr 2024	0908_SD110_240418	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002	0.0575	0.0044	0.0619	0.0973	0.0002	0.0003	0.0002	0.0010	<0.001	0.0004	0.0005	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0326	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	25 Sep 2024	0908_SD110_240925	Normal	NSW_0908_PFASOMP_24	On-base	0.0014	0.427	0.0106	0.438	0.651	<0.0002	0.0003	0.0021	0.0043	<0.001	0.0004	0.0013	0.0005	<0.0002	<0.0002	<0.0002	0.0004	0.0009	0.0016	<0.0005	0.0014	<0.0005	<0.0005	0.199	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T7 - Historical Sediment Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**																																
SD254	07 Dec 2018	0908_FC1A_SD_181207	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0071	0.0011	0.0082	0.0089	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	14 Jun 2019	0908_FC1A_SD_190614	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0039	0.0002	0.0041	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	08 Nov 2019	0908_FC1A_SD_191108	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0003	0.0029	0.0008	0.0037	0.0042	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	12 Jun 2020	0908_QC111_200612	Field_D	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0025	0.0322	0.0048	0.0370	0.0422	<0.0002	0.0003	0.0005	<0.0002	<0.001	<0.0002	0.0013	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	12 Jun 2020	0908_QC211_200612	Interlab_D	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0021	0.039	0.0043	0.0433	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	0.0019	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD254	12 Jun 2020	0908_SD254_200612	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0025	0.0387	0.0052	0.0439	0.0500	0.0006	0.0003	0.0006	<0.0002	<0.001	<0.0002	0.0013	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	13 Nov 2020	0908_SD254_201113	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0044	0.0370	0.0032	0.0402	0.0482	<0.0002	<0.0002	0.0006	<0.0002	<0.001	0.0004	0.0015	0.0009	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	10 May 2021	0908_SD254_210510	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0037	0.0284	0.0031	0.0315	0.0385	<0.0002	0.0002	0.0004	<0.0002	<0.001	0.0005	0.0013	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	26 Nov 2021	0908_SD254_211126	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0015	0.0416	0.0041	0.0457	0.0494	<0.0002	<0.0002	0.0006	0.0004	<0.001	<0.0002	0.0006	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	27 May 2022	0908_SD254_220527	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0011	0.0276	0.0030	0.0306	0.0339	<0.0002	<0.0002	0.0003	0.0006	<0.001	<0.0002	0.0005	<0.0002	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	15 Nov 2022	0908_SD254_221115	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0005	0.0378	0.0023	0.0401	0.0423	<0.0002	<0.0002	0.0003	0.0012	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	16 May 2023	0908_SD254_230516	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet)	0.0007	0.0321	0.0016	0.0337	0.0346	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	27 Nov 2023	0908_SD254_231127	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0150	0.0008	0.0158	0.0158	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	23 Apr 2024	0908_SD254_240423	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet)	0.0005	0.0229	0.0018	0.0247	0.0258	<0.0002	<0.0002	0.0002	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	20 Sep 2024	0908_SD254_240920	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0078	<0.0002	0.0078	0.0078	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	07 Dec 2018	0908_FC1B_SD_181207	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0137	0.0003	0.014	0.0145	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	14 Jun 2019	0908_FC1B_SD_190614	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0024	0.0004	0.0028	0.0028	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	08 Nov 2019	0908_FC1B_SD_191108	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0004	0.0075	0.0020	0.0095	0.0103	<0.0002	0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	12 Jun 2020	0908_SD255_200612	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0116	0.0011	0.0127	0.0127	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	13 Nov 2020	0908_SD255_201113	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0008	0.0094	0.0026	0.0120	0.0134	<0.0002	<0.0002	0.0003	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	10 May 2021	0908_SD255_210510	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	0.0023	0.0433	0.0044	0.0477	0.0522	<0.0002	<0.0002	0.0007	<0.0002	<0.001	<0.0002	0.0010	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	26 Nov 2021	0908_SD255_211126	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0154	0.0007	0.0161	0.0164	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	27 May 2022	0908_SD255_220527	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0309	0.0008	0.0317	0.0320	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	15 Nov 2022	0908_SD255_221115	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0288	0.0007	0.0295	0.0299	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	16 May 2023	0908_SD255_230516	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0180	0.0004	0.0184	0.0190	<0.0002	<0.0002	<0.0002	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	27 Nov 2023	0908_SD255_231127	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0115	0.0007	0.0122	0.0122	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	23 Apr 2024	0908_SD255_240423	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet)	<0.0002	0.0109	<0.0002	0.0109	0.0109	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	20 Sep 2024	0908_SD255_240920	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet)	0.0005	0.0366	0.0014	0.0380	0.0388	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	21 Feb 2017	FCD4_SED_17022017	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0168	0.0005	0.0173	0.0175	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	12 Apr 2018	FCD4_SED_13042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0045	0.0007	0.0052	0.0052	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	07 Dec 2018	0908_FCD4_SD_181207	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0014	0.0005	0.0019	0.0019	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002	0.0012	<0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	Broader Management Zone	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD259	08 Nov 2019	0908_FCD4_SD_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0010	0.0013	0.0023	0.0025	<0.0002	0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	25 May 2020	0908_SD259_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0078	0.0014	0.0092	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	13 Nov 2020	0908_SD259_201113	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0004	0.0111	0.0029	0.0140	0.0149	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	10 May 2021	0908_SD259_210510	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0004	0.0292	0.0045	0.0337	0.0361	0.0003	0.0002	0.0004	0.0006	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	26 Nov 2021	0908_SD259_211126	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0006	0.0004	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	27 May 2022	0908_SD259_220527	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002	0.0016	<0.0002	0.0016	0.0016	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T7 - Historical Sediment Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**																																
SD259	15 Nov 2022	0908_SD259_221115	Normal	NSW_0908_PFASOMP	Broader Management Zone		<0.0002	0.0042	0.0005	0.0047	0.0047	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	16 May 2023	0908_SD259_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone		<0.0002	0.0068	0.0005	0.0073	0.0073	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	27 Nov 2023	0908_SD259_231127	Normal	NSW_0908_PFASOMP_23	Broader Management Zone		<0.0002	0.0089	0.0070	0.0159	0.0165	<0.0002	<0.0002	0.0004	<0.0002	<0.001	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	23 Apr 2024	0908_SD259_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone		<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	20 Sep 2024	0908_SD259_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone		<0.0002	0.0318	0.0217	0.0535	0.0559	<0.0002	0.0004	0.0020	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	08 Nov 2019	0908_FC1C_SD_191108	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0013	<0.0002	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	12 Jun 2020	0908_SD326_200612	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)		0.0003	0.0081	0.0009	0.0090	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	13 Nov 2020	0908_SD326_201113	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0057	0.0006	0.0063	0.0063	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	10 May 2021	0908_SD326_210510	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)		0.0011	0.0262	0.0021	0.0283	0.0319	<0.0002	<0.0002	0.0003	0.0006	<0.001	0.0004	0.0009	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	26 Nov 2021	0908_SD326_211126	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0133	0.0006	0.0139	0.0143	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	27 May 2022	0908_SD326_220527	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0154	0.0006	0.0160	0.0160	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	15 Nov 2022	0908_SD326_221115	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0093	0.0005	0.0098	0.0098	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	16 May 2023	0908_SD326_230516	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0102	0.0004	0.0106	0.0106	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	27 Nov 2023	0908_SD326_231127	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0114	0.0004	0.0118	0.0118	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	23 Apr 2024	0908_SD326_240423	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet)		<0.0002	0.0127	0.0004	0.0131	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	20 Sep 2024	0908_SD326_240920	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet)		0.0004	0.0233	0.0016	0.0249	0.0258	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD333	22 Apr 2024	0908_SD333_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone		0.0012	0.123	0.0248	0.148	0.181	0.0006	0.0017	0.0027	0.0219	<0.001	0.0007	0.0019	0.0007	<0.0002	<0.0002	<0.0002	0.0004	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD333	19 Sep 2024	0908_SD333_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone		<0.0002	0.0167	0.0019	0.0186	0.0251	<0.0002	<0.0002	<0.0002	0.0054	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	25 Nov 2022	0908_SD600_221125	Normal	NSW_0908_PFASOMP	Secondary Management Zone		<0.0002	0.0164	0.0014	0.0178	0.0181	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	15 May 2023	0908_SD600_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone		<0.0002	0.0239	0.0007	0.0246	0.0255	<0.0002	<0.0002	<0.0002	0.0009	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	27 Nov 2023	0908_SD600_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone		<0.0002	0.0510	0.0016	0.0526	0.0534	<0.0002	<0.0002	0.0004	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	22 Apr 2024	0908_SD600_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone		0.0003	0.0142	0.0026	0.0168	0.0186	<0.0002	0.0002	0.0003	<0.0002	<0.001	0.0002	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	19 Sep 2024	0908_SD600_240919	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone		0.0006	0.0973	0.0056	0.103	0.109	0.0003	0.0003	0.0010	0.0030	<0.001	0.0003	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Table T8 - Historical Aquatic Biota Analytical Results

				PFAS			PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.005	0.0005	0.0001	0.005
FSANZ 2017 2-6 years Crustaceans (all species)				0.52	0.065	0.065																									
FSANZ 2017 2-6 years Finfish (all species)				0.041	0.0052	0.0052																									
Location Code	**Date**	**Field ID**	**Species Type**	**Project ID**																											
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C1	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0069	0.00066	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C2	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0064	0.0021	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C3	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0074	0.0021	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C4	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0054	0.00096	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C1	Luderick	NSW_0908_PFASOMP	<0.0003	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C2	Luderick	NSW_0908_PFASOMP	<0.0003	0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C3	Luderick	NSW_0908_PFASOMP	<0.0003	0.0014	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C4	Luderick	NSW_0908_PFASOMP	<0.0003	0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C1	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C2	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.0047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C3	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C4	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.0041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA040	08 Feb 2021	2102.HUR.1.METMAC.C1	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.021	0.0085	<0.0005	0.00061	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA041	08 Feb 2021	2102.HUR.1.METMAC.C2	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.021	0.0086	<0.0005	0.00057	0.00058	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA042	08 Feb 2021	2102.HUR.1.METMAC.C3	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.023	0.0062	<0.0005	0.00054	0.00078	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA043	08 Feb 2021	2102.HUR.1.METMAC.C4	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.02	0.0067	<0.0005	0.00054	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA044	09 Feb 2021	2102.HUR.1.PLAFUS.C1	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.011	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA045	09 Feb 2021	2102.HUR.1.PLAFUS.C2	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.011	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA046	09 Feb 2021	2102.HUR.1.PLAFUS.C3	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.0094	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA047	09 Feb 2021	2102.HUR.1.PLAFUS.C4	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA048	08 Feb 2021	2102.HUR.1.GIRTRI.C1	Luderick	NSW_0908_PFASOMP	<0.0003	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA049	08 Feb 2021	2102.HUR.1.GIRTRI.C2	Luderick	NSW_0908_PFASOMP	<0.0003	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA050	08 Feb 2021	2102.HUR.1.GIRTRI.C3	Luderick	NSW_0908_PFASOMP	<0.0003	0.0022	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA051	08 Feb 2021	2102.HUR.1.GIRTRI.C4	Luderick	NSW_0908_PFASOMP	<0.0003	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA052	23 Feb 2022	0908_BIOAFA052_220223	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0063	0.00059	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA053	23 Feb 2022	0908_BIOAFA053_220223	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0072	0.0008	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA054	23 Feb 2022	0908_BIOAFA054_220223	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0058	0.00062	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA055	23 Feb 2022	0908_BIOAFA055_220223	Eastern School Prawn	NSW_0908_PFASOMP	<0.0003	0.0053	0.00058	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA056	23 Feb 2022	0908_BIOAFA056_220223	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.012	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA057	23 Feb 2022	0908_BIOAFA057_220223	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.014	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA058	23 Feb 2022	0908_BIOAFA058_220223	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.013	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA059	23 Feb 2022	0908_BIOAFA059_220223	Dusky Flathead	NSW_0908_PFASOMP	<0.0003	0.013	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA060	23 Feb 2022	0908_BIOAFA060_220223	Luderick	NSW_0908_PFASOMP	<0.0003	0.0021	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA061	23 Feb 2022	0908_BIOAFA061_220223	Luderick	NSW_0908_PFASOMP	<0.0003	0.0046	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA062	23 Feb 2022	0908_BIOAFA062_220223	Luderick	NSW_0908_PFASOMP	<0.0003	0.0014	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA063	23 Feb 2022	0908_BIOAFA063_220223	Luderick	NSW_0908_PFASOMP	<0.0003	0.0019	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA064	24 Jan 2024	0908_BIOAFA064_240124	Eastern School Prawn	NSW_0908_PFASOMP_24	0.00034	0.0048	0.0016	<0.0001	0.00024	0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00017	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00026	<0.005	<0.0005	<0.0001	<0.005
BIOAFA065	24 Jan 2024	0908_BIOAFA065_240124	Eastern School Prawn	NSW_0908_PFASOMP_24	0.00031	0.012	0.0015	<0.0001	0.00022	0.00056	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.0002	<0.005	<0.0005	<0.0001	<0.005
BIOAFA066	24 Jan 2024	0908_BIOAFA066_240124	Eastern School Prawn	NSW_0908_PFASOMP_24	0.00033	0.0049	0.0015	<0.0001	0.00022	0.00023	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00013	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00024	<0.005	<0.0005	<0.0001	<0.005
BIOAFA067	24 Jan 2024	0908_BIOAFA067_240124	Eastern School Prawn	NSW_0908_PFASOMP_24	0.00037	0.0048	0.0017	<0.0001	0.0002	0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00025	<0.005	<0.0005	<0.0001	<0.005
BIOAFA068	28 Mar 2024	0908_BIOAFA068_240328	Dusky Flathead	NSW_0908_PFASOMP_24	<0.0001	0.01	0.00017	<0.0001	<0.0001	0.00016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA069	28 Mar 2024	0908_BIOAFA069_240328	Dusky Flathead	NSW_0908_PFASOMP_24	<0.0001	0.0079	<0.0001	<0.0001	<0.0001	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA070	28 Mar 2024	0908_BIOAFA070_240328	Dusky Flathead	NSW_0908_PFASOMP_24	<0.0001	0.0064	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA071	22 Apr 2024	0908_BIOAFA071_240422	Dusky Flathead	NSW_0908_PFASOMP_24	<0.0001	0.0054	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA072	28 Mar 2024	0908_BIOAFA072_240328	Luderick	NSW_0908_PFASOMP_24	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA073	28 Mar 2024	0908_BIOAFA073_240328	Luderick	NSW_0908_PFASOMP_24	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA074	22 Apr 2024	0908_BIOAFA074_240422	Luderick	NSW_0908_PFASOMP_24	<0.0001	0.0042	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA075	22 Apr 2024	0908_BIOAFA075_240422	Luderick	NSW_0908_PFASOMP_24	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005

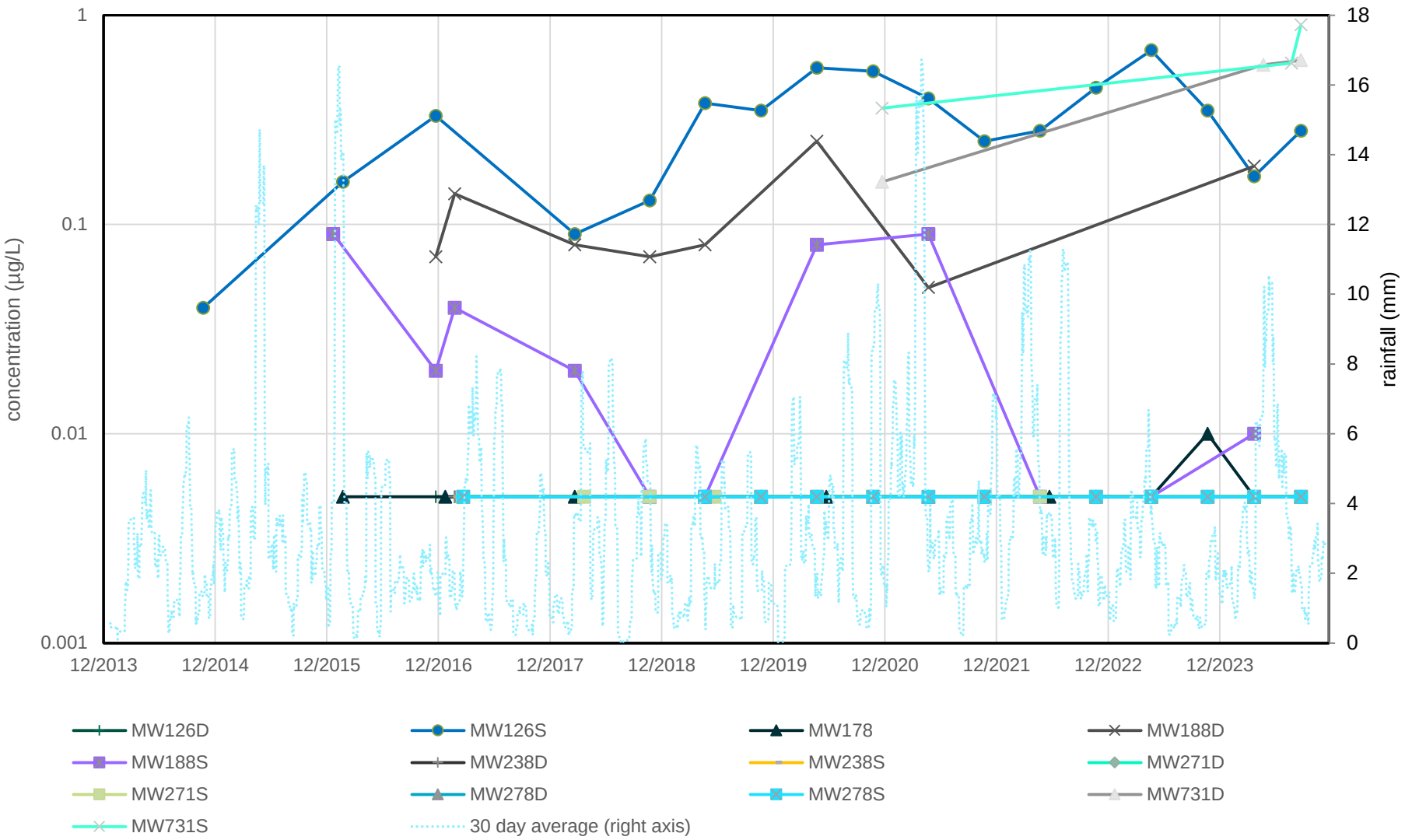
Notes
LOR = Limit of Reporting
mg/kg = milligrams per kilogram
Dusky Flathead and Luderick samples compared against the 'FSANZ 2017 2-6 years Finfish (all species)' criteria
School Prawn samples compared against the 'FSANZ 2017 2-6 years Crustaceans (all species)' criteria

Appendix C

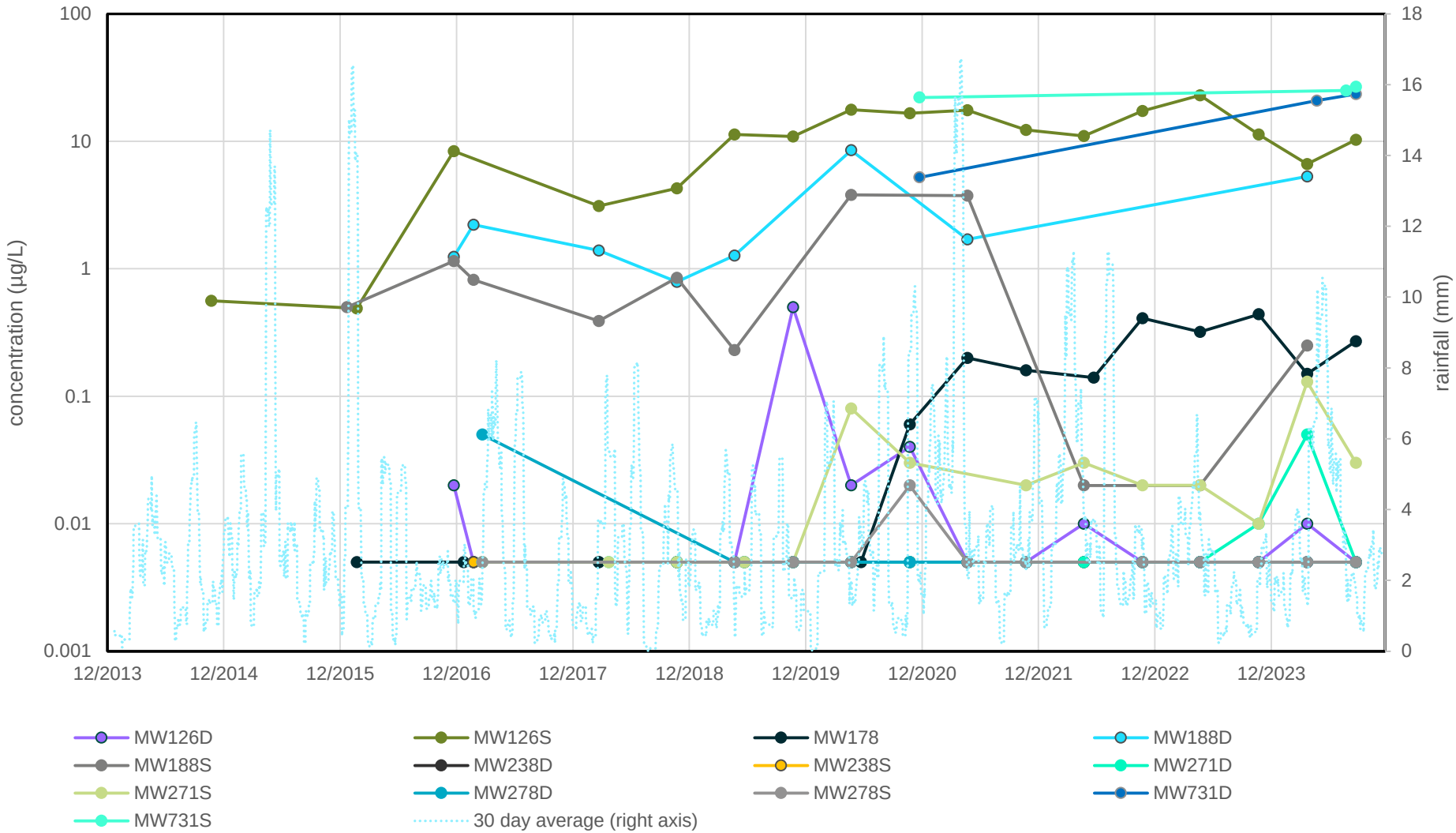
Temporal Trend Graphs and Mann Kendall Analysis

Temporal Trend Graphs

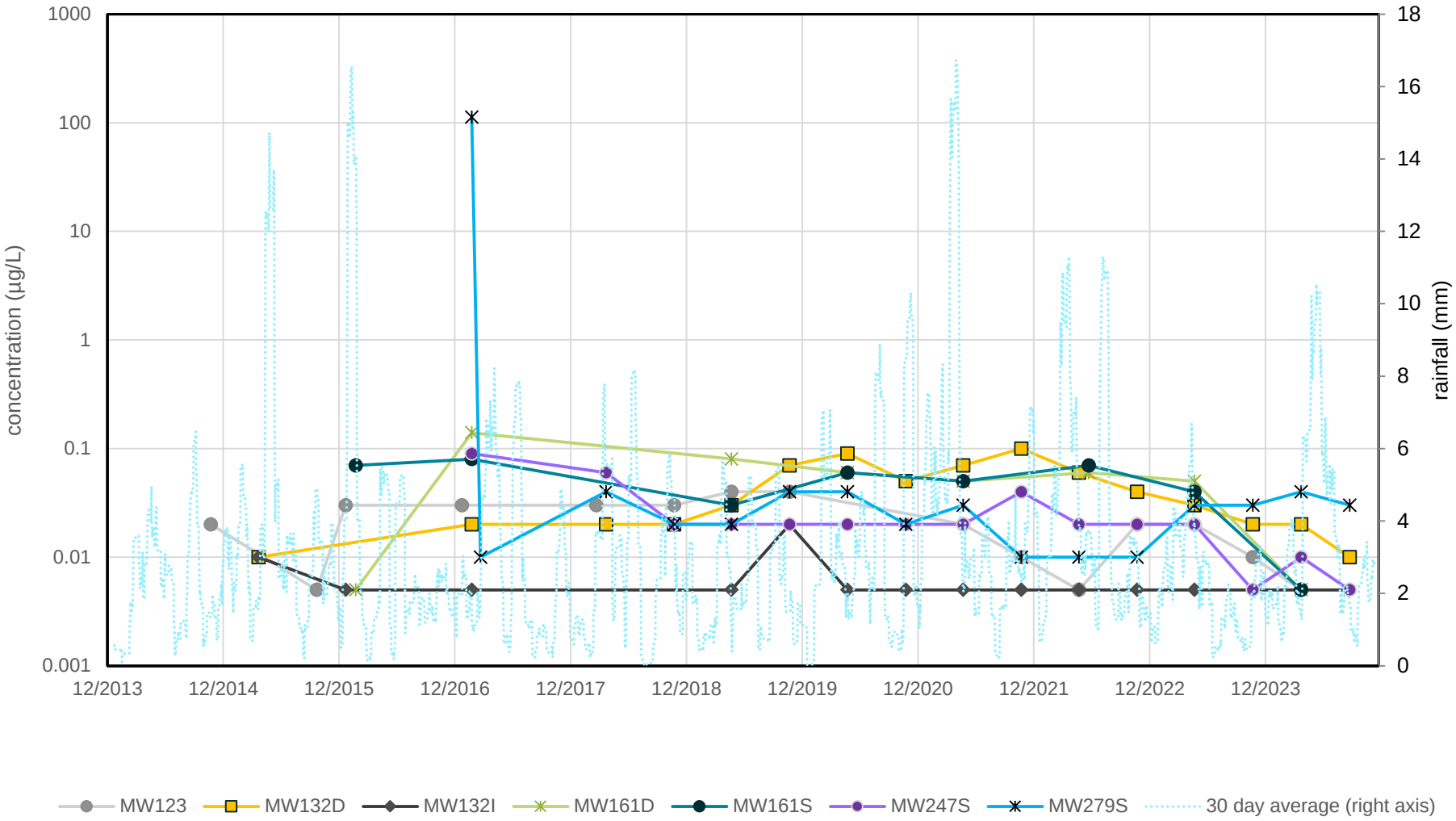
Graph G1 - Groundwater Temporal Trend - PFOA
Primary Management Zone



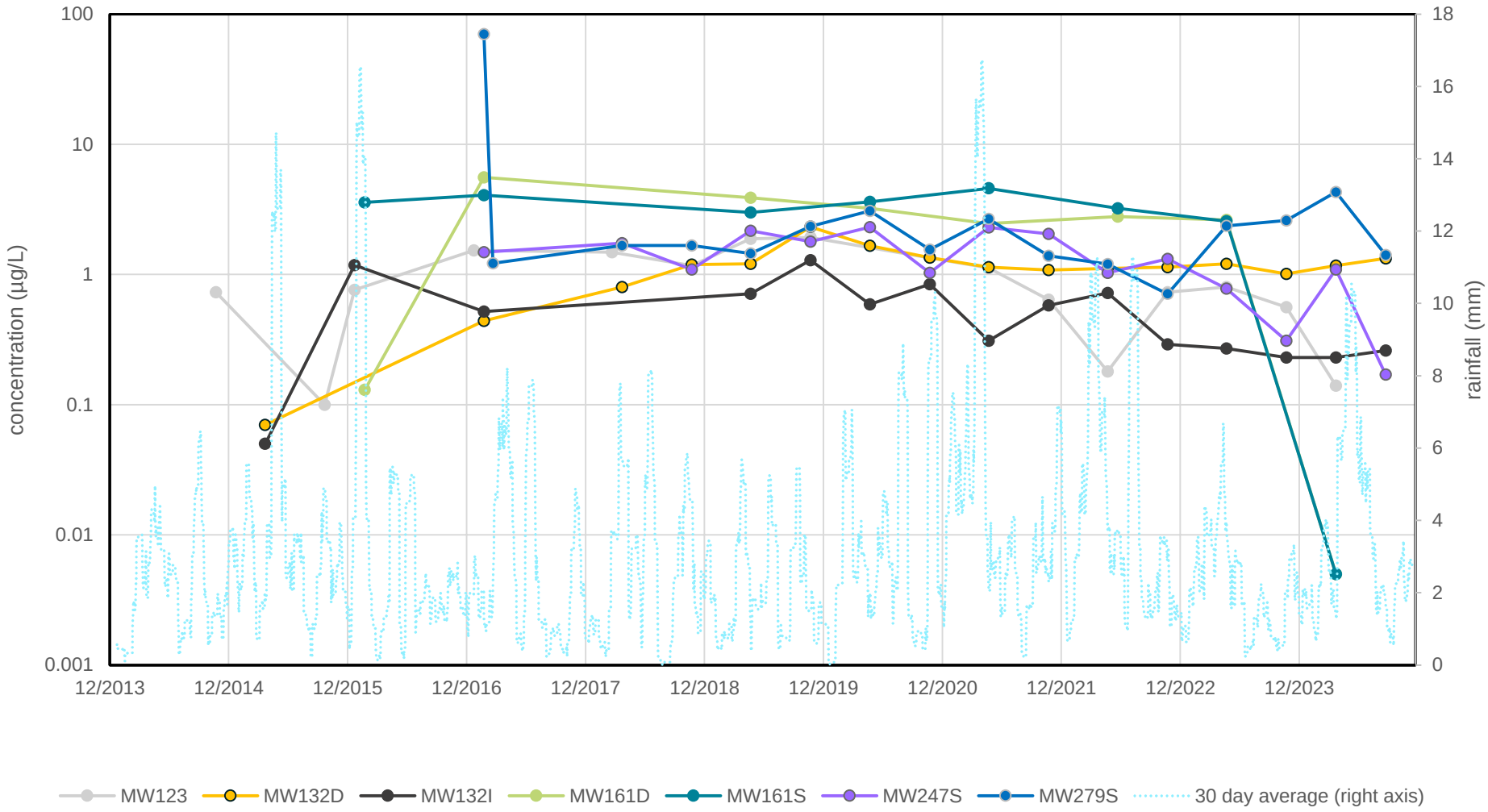
Graph G2 - Groundwater Temporal Trend - PFHxS + PFOS
Primary Management Zone



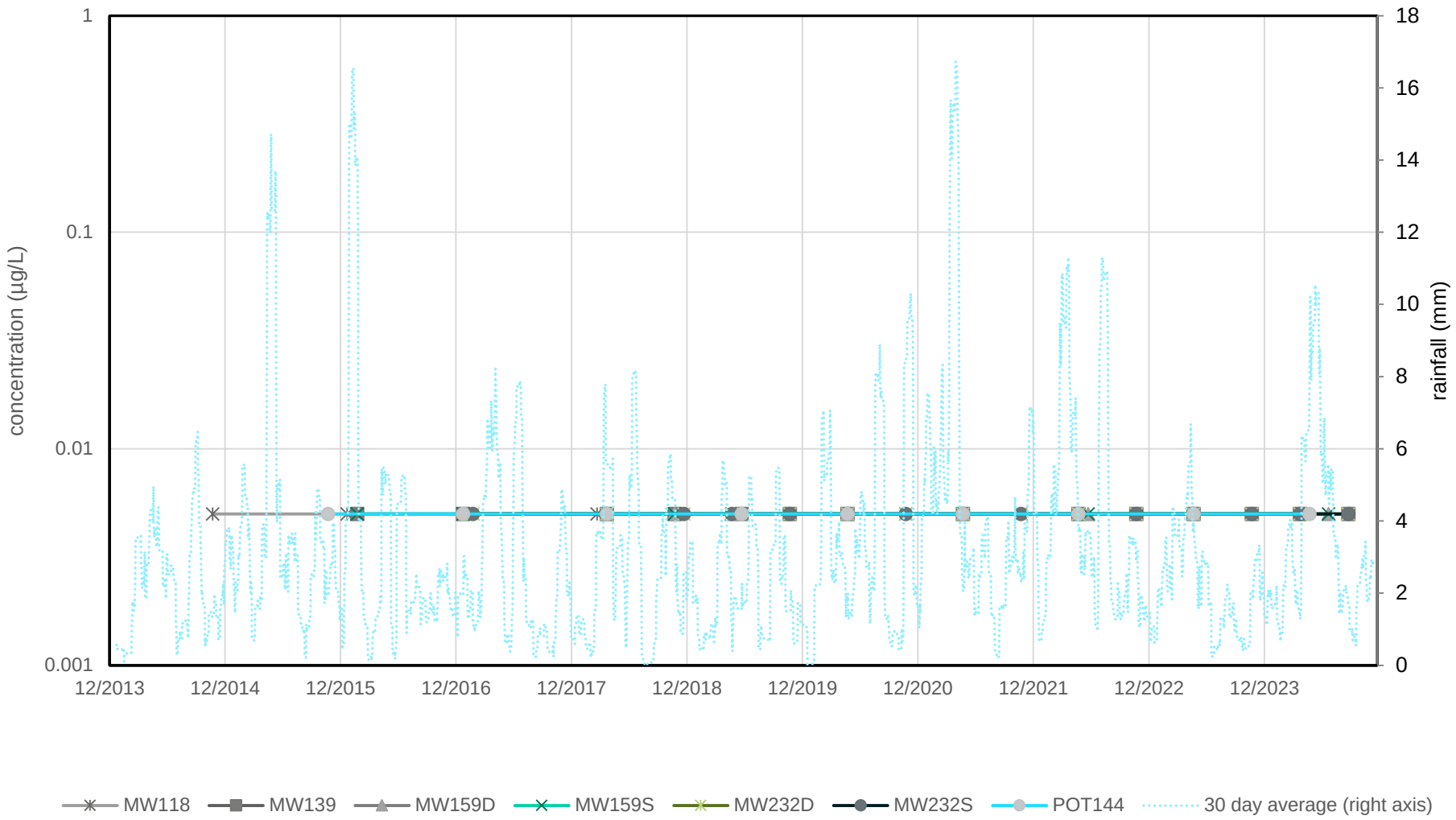
Graph G3 - Groundwater Temporal Trend - PFOA
Secondary Management Zone



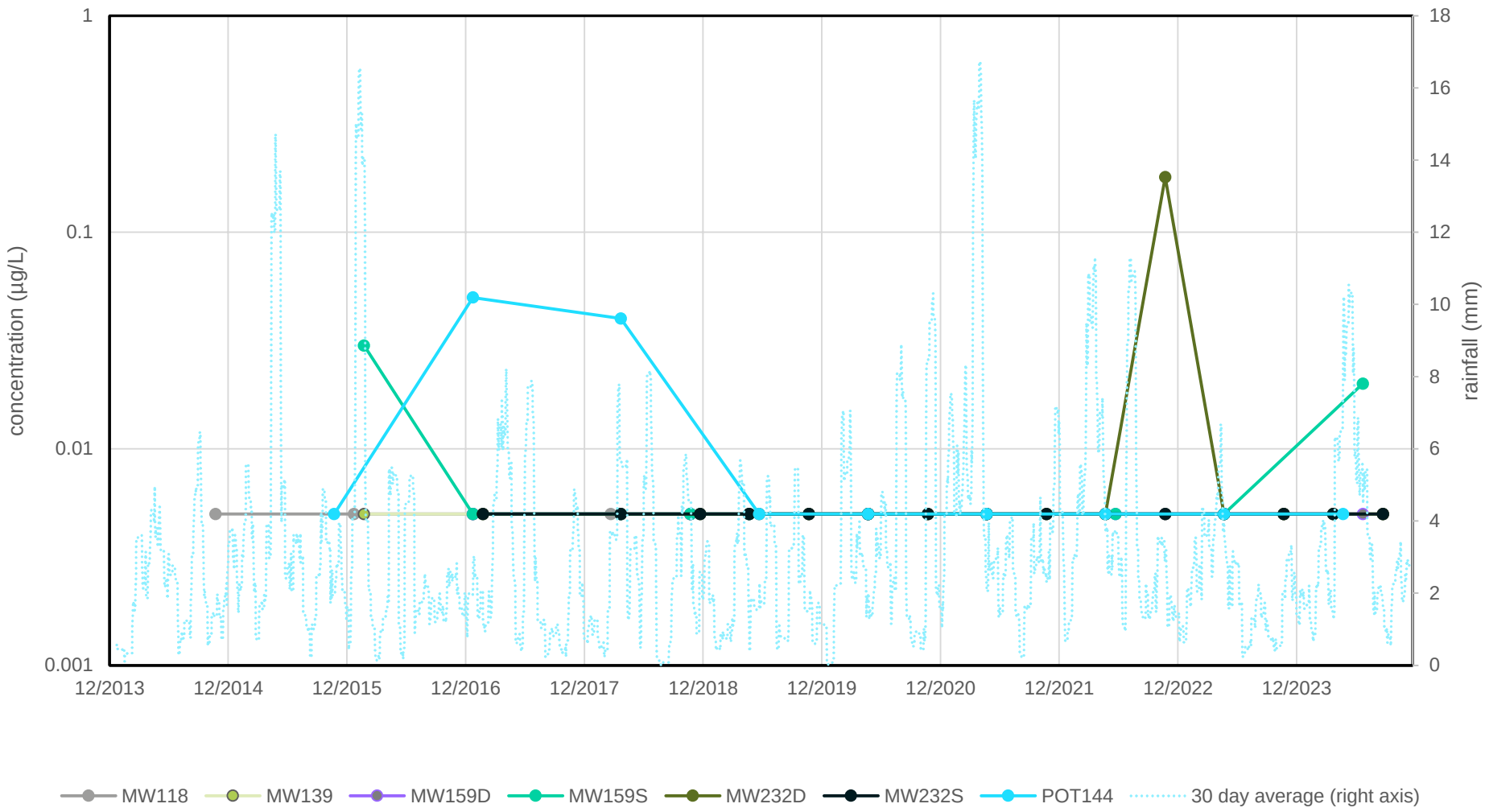
Graph G4 - Groundwater Temporal Trend - PFHxS + PFOS
Secondary Management Zone



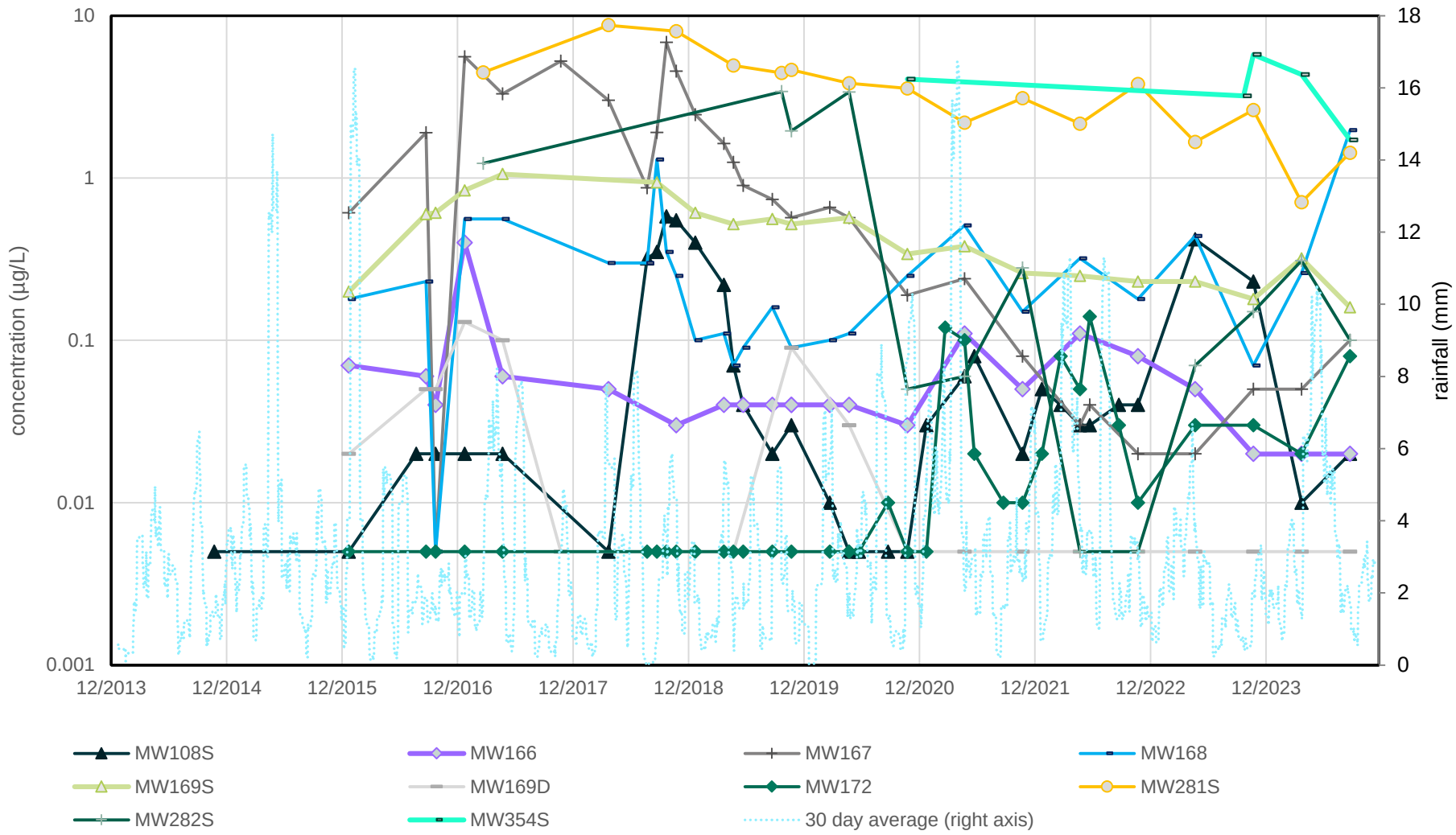
Graph G5 - Groundwater Temporal Trend - PFOA
Broader Management Zone



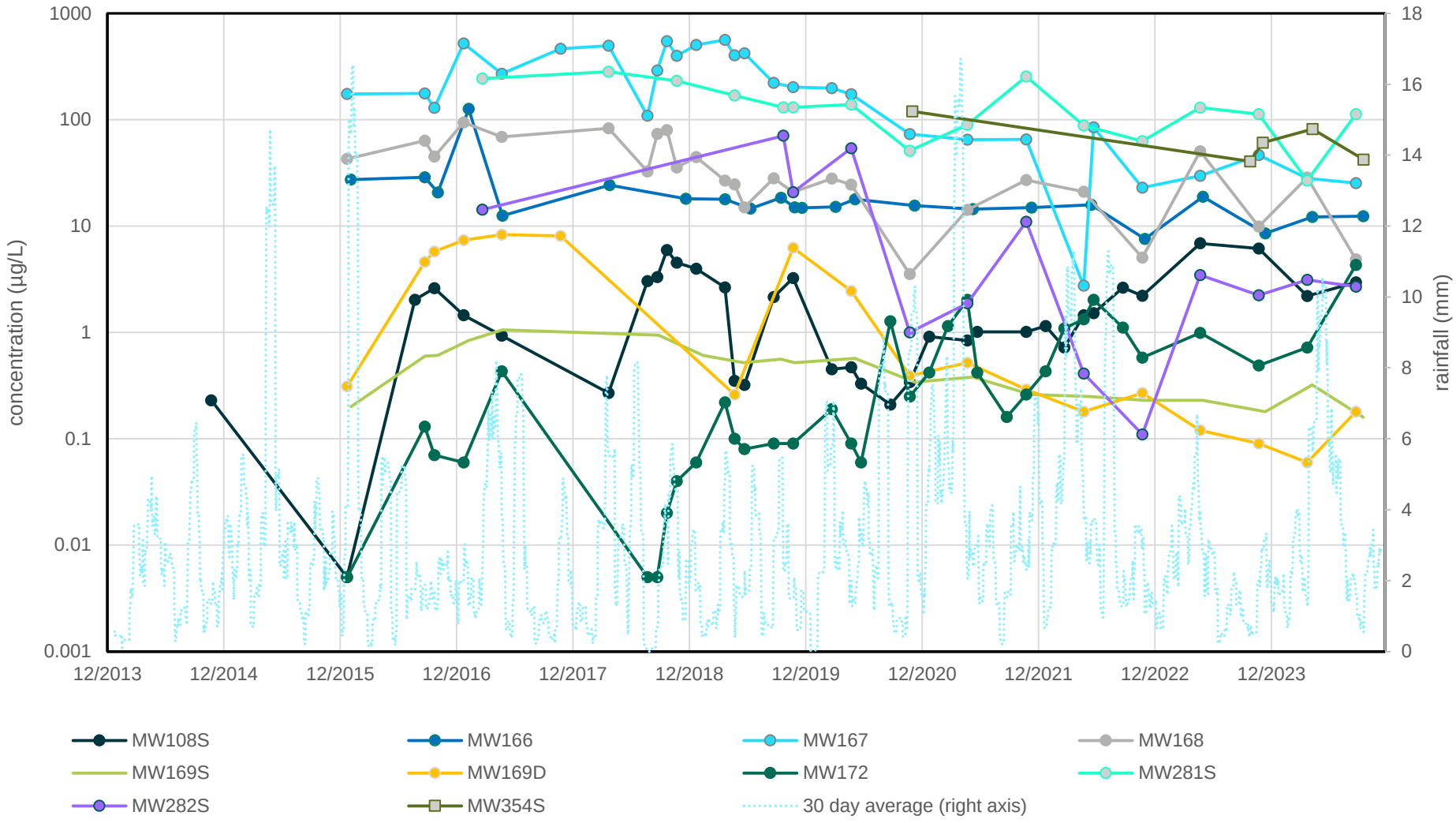
Graph G6 - Groundwater Temporal Trend - PFHxS + PFOS
Broader Management Zone



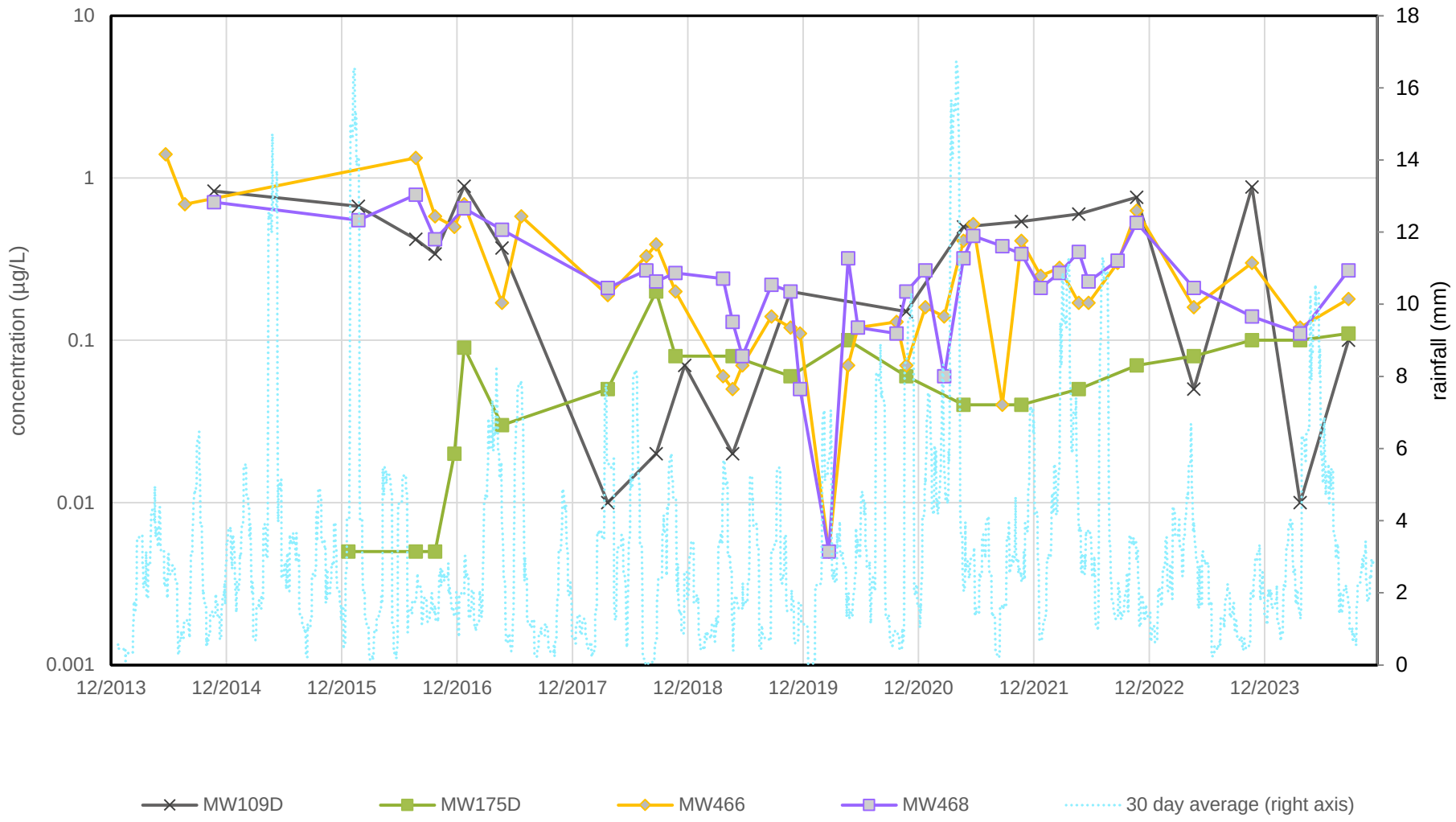
Graph G7 - Groundwater Temporal Trend - PFOA
FFTA



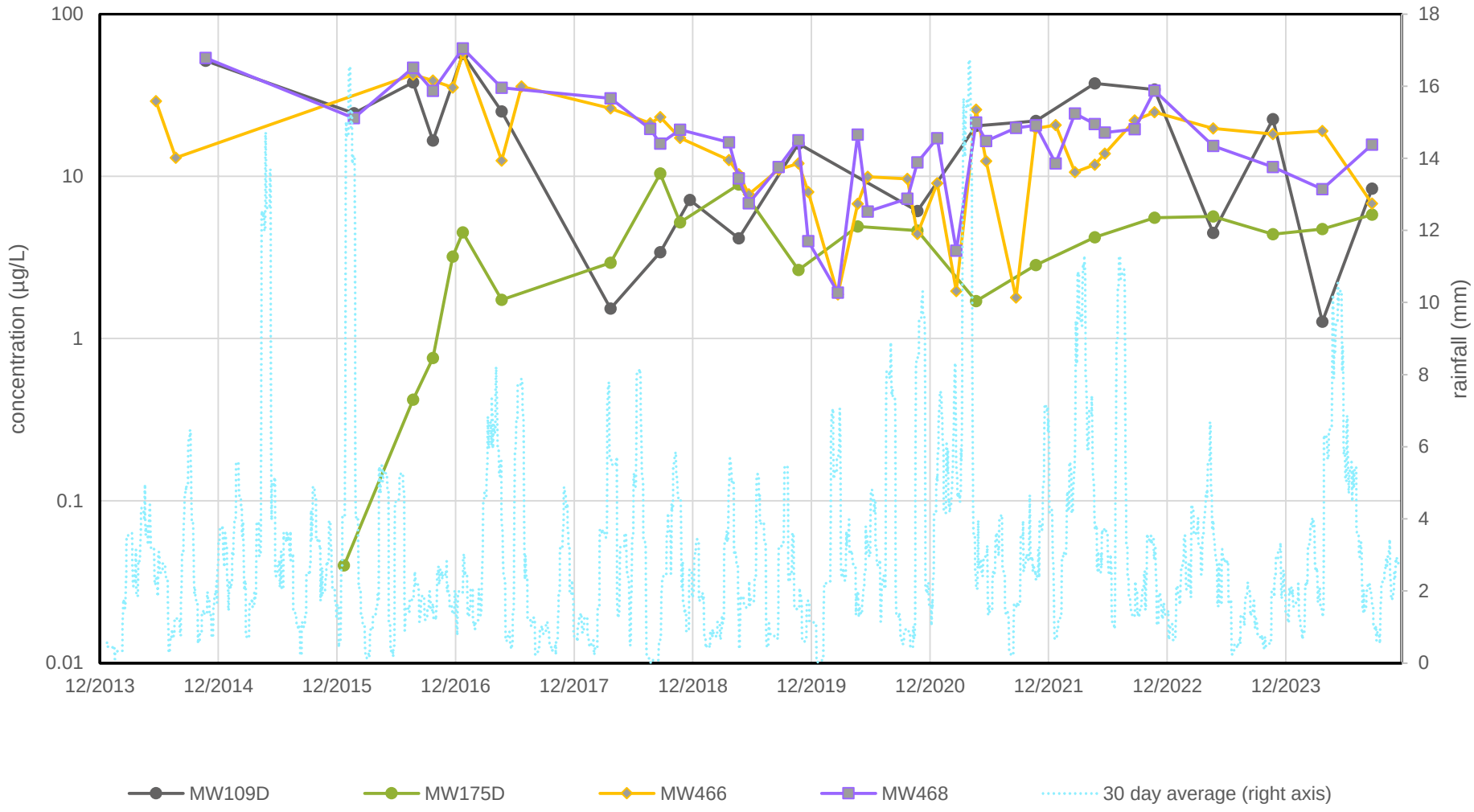
Graph G8 - Groundwater Temporal Trend - PFHxS + PFOS
FFTA



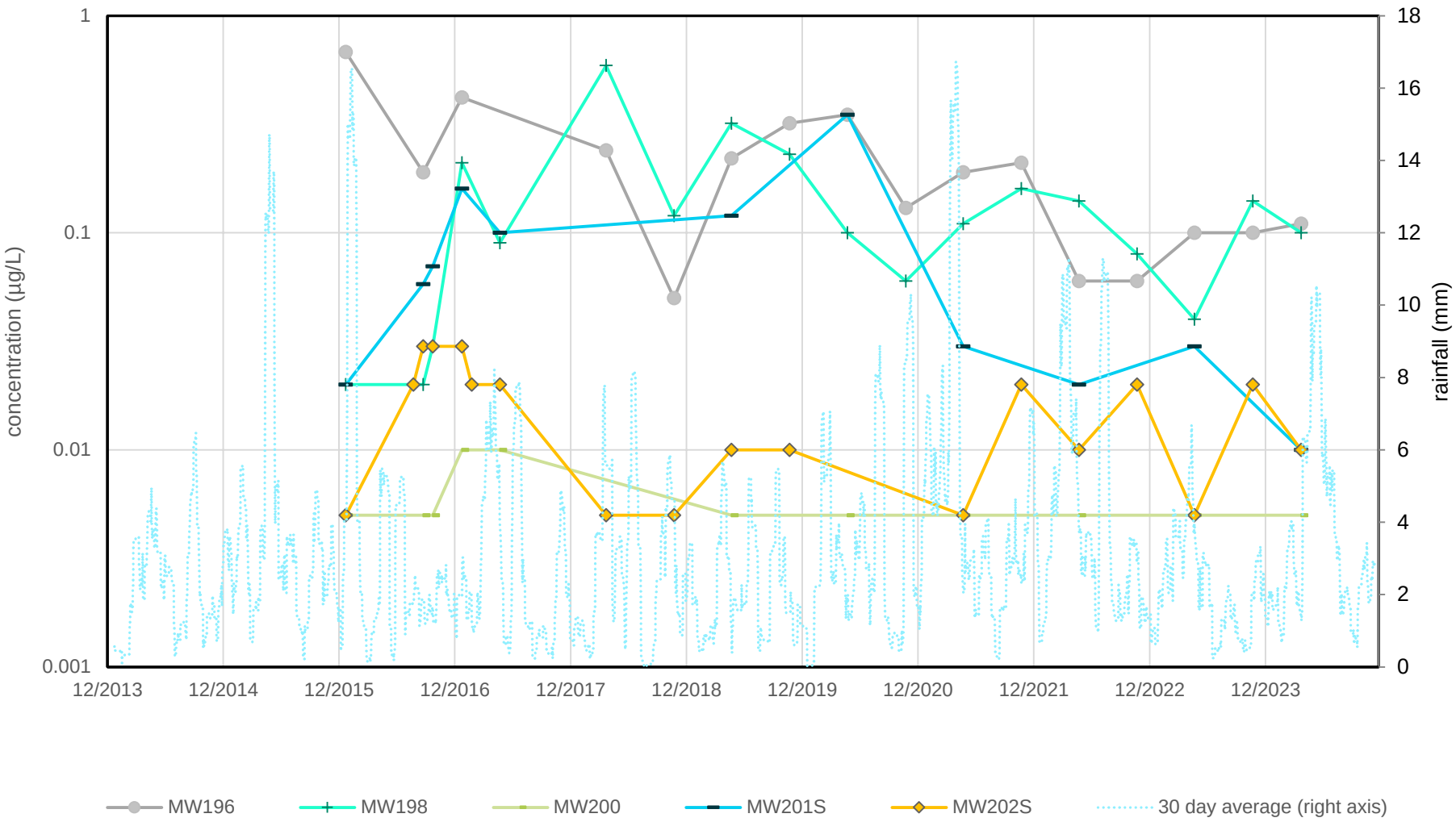
Graph G9 - Groundwater Temporal Trend - PFOA
South of Lake Cochran



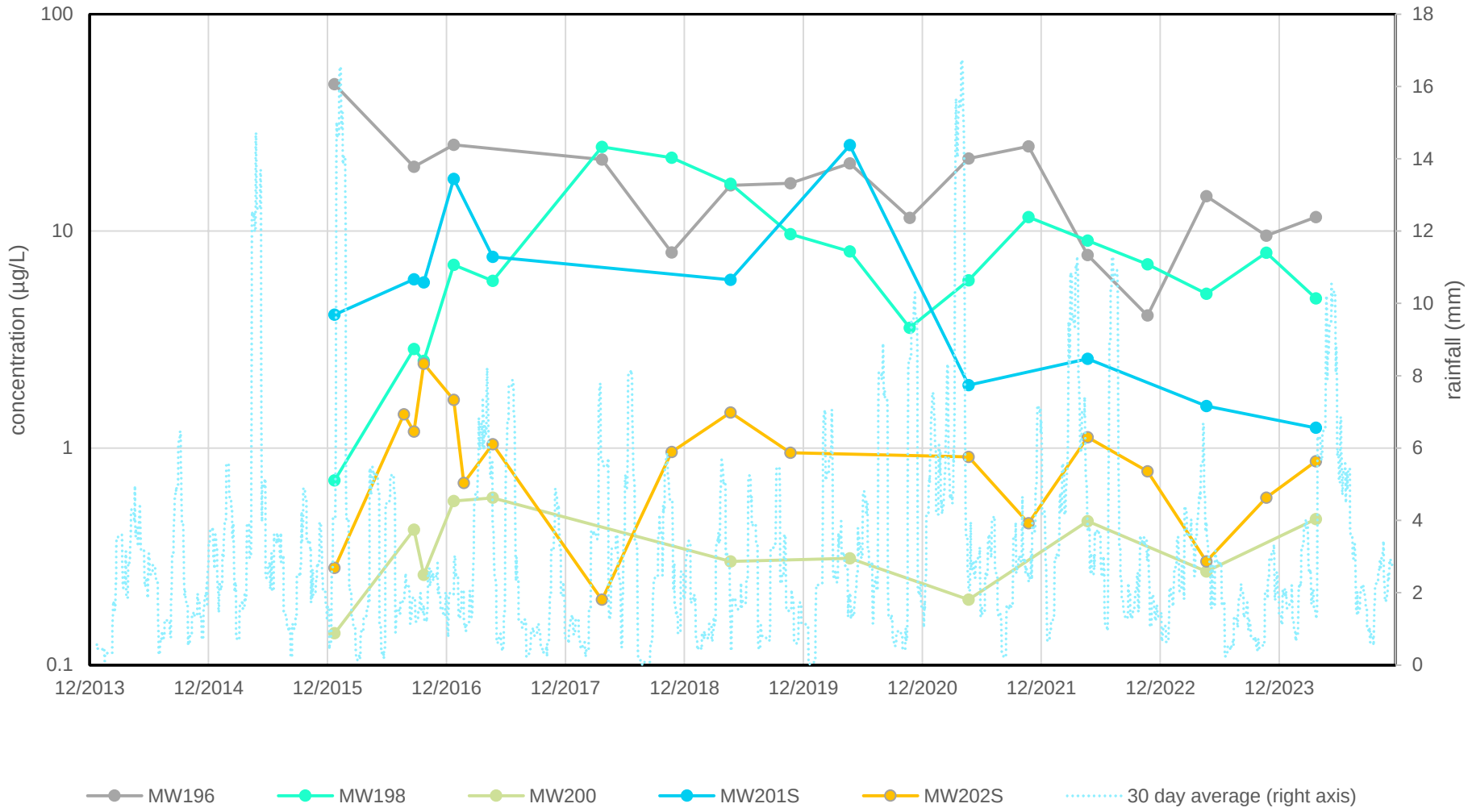
Graph G10 - Groundwater Temporal Trend - PFHxS + PFOS
South of Lake Cochran



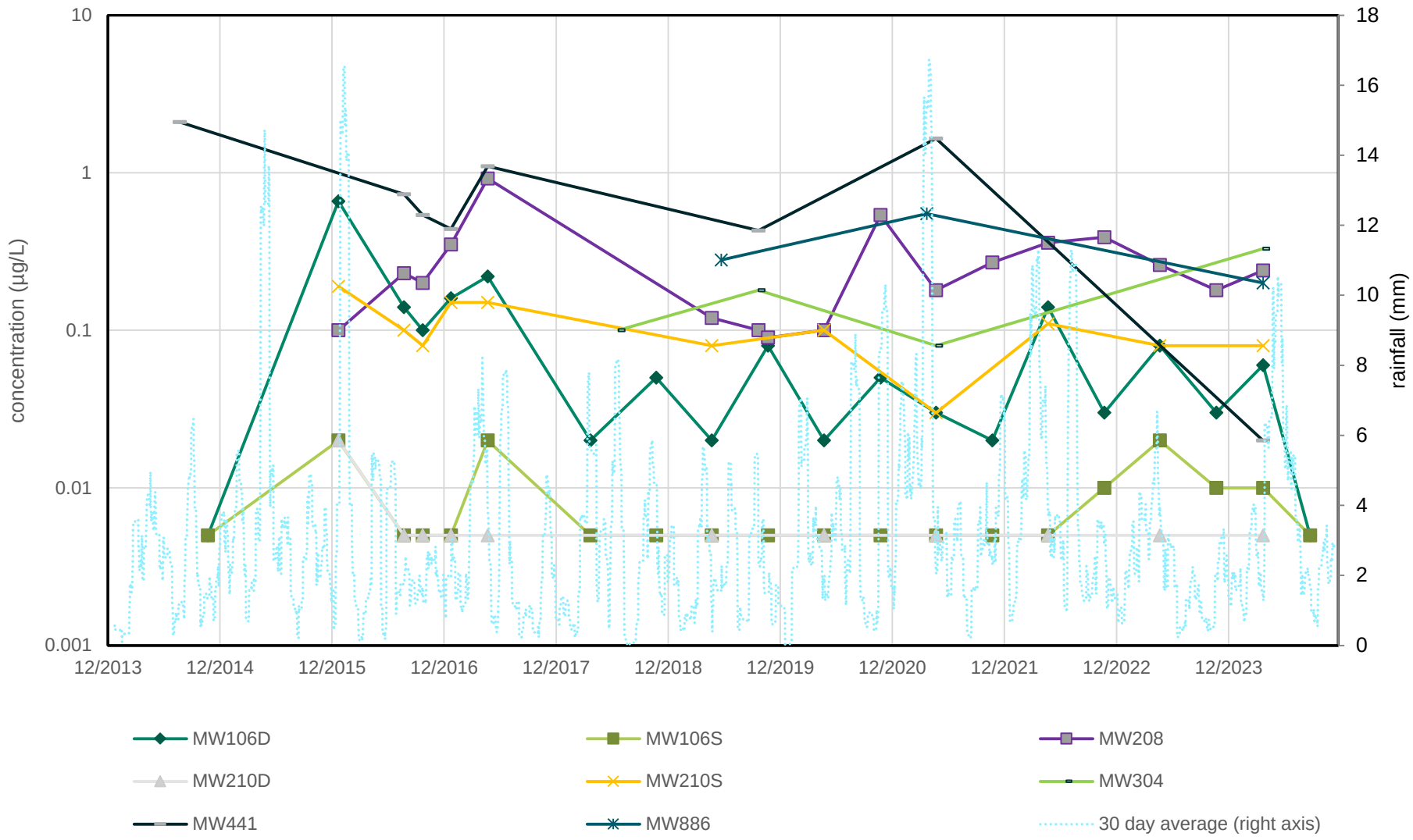
Graph G11 - Groundwater Temporal Trend - PFOA
Current and Former Fire Station



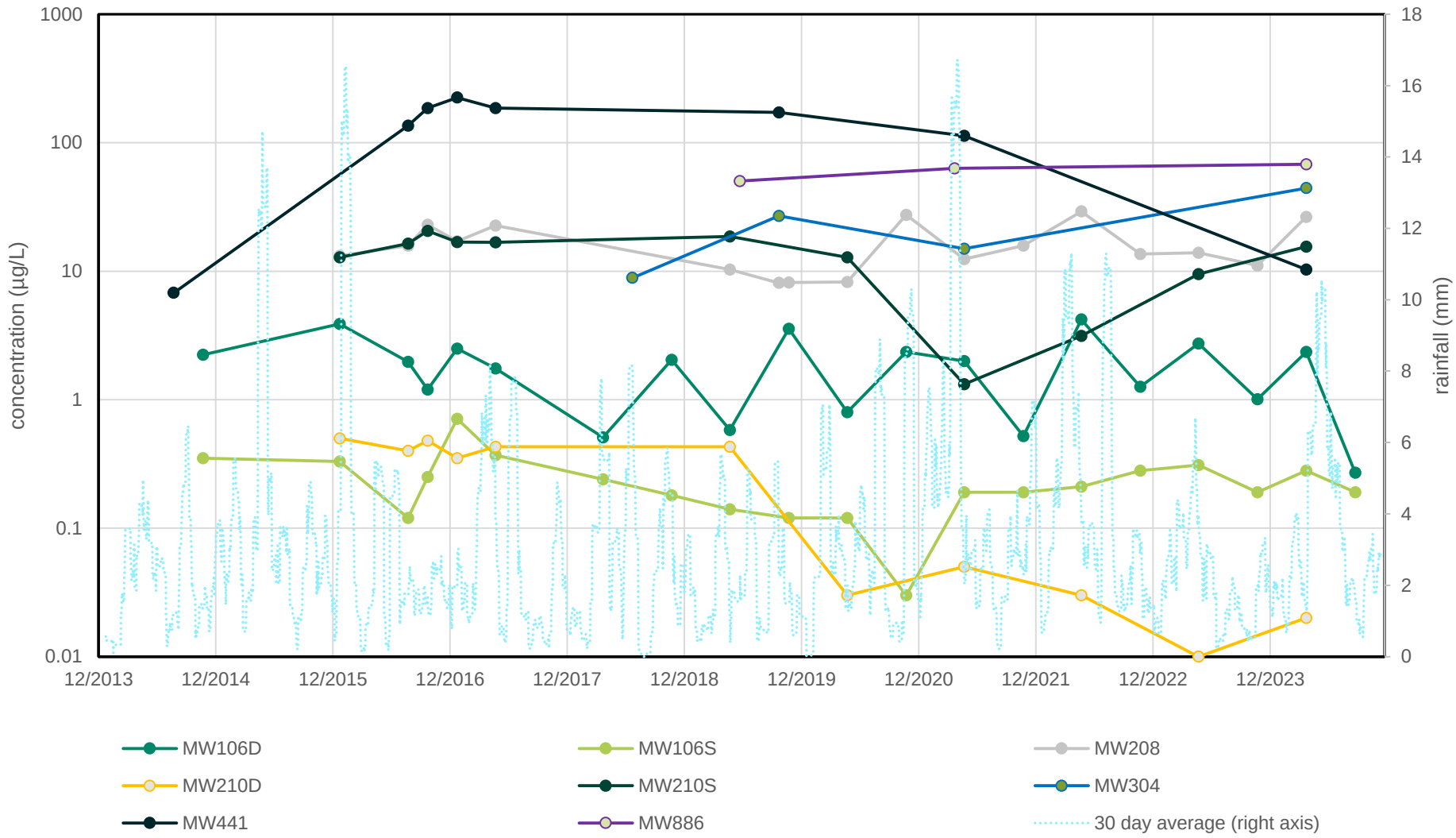
Graph G12 - Groundwater Temporal Trend - PFHxS + PFOS
Current and Former Fire Station



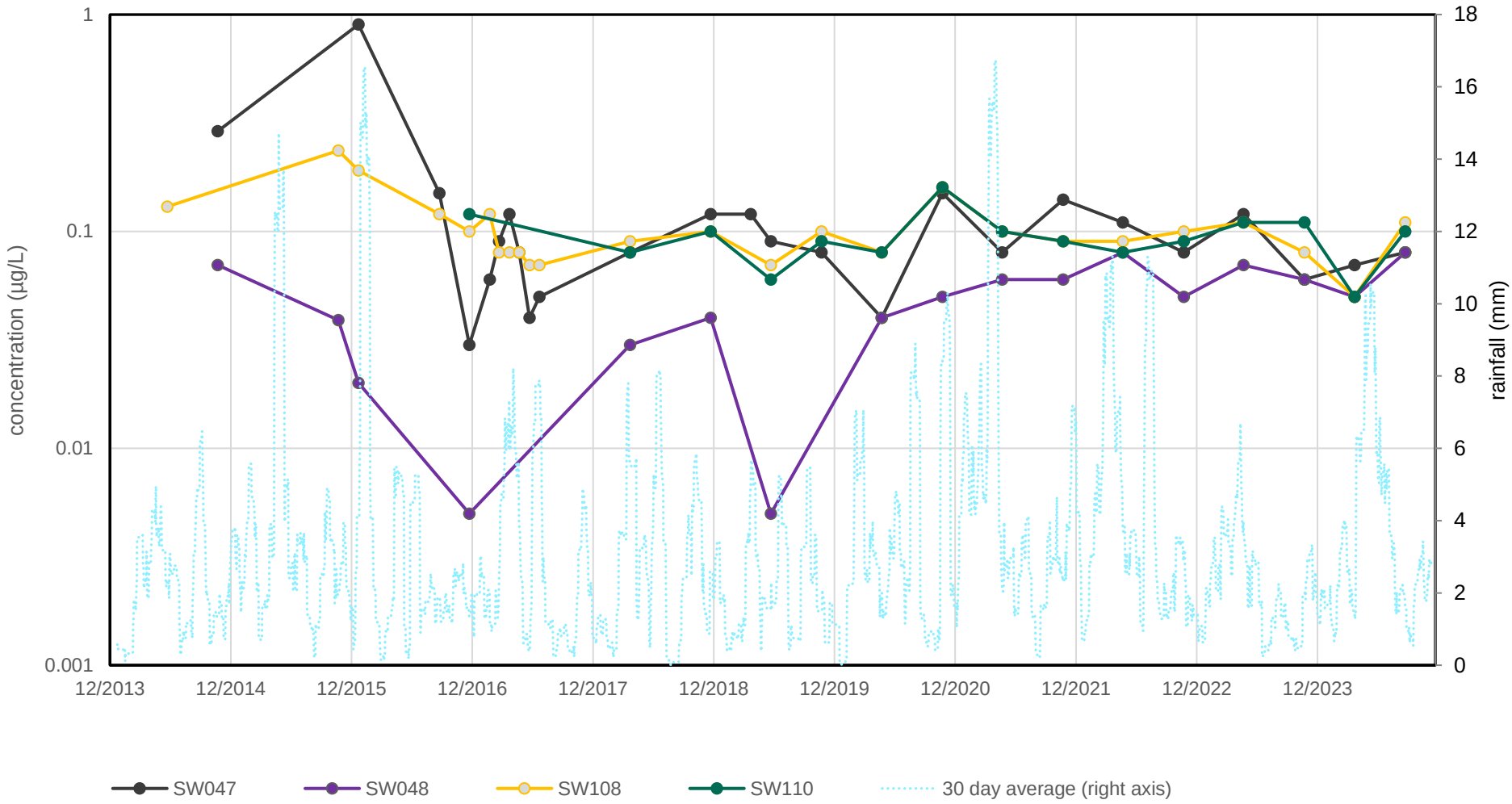
Graph G13 - Groundwater Temporal Trend - PFOA
Trade Waste Treatment



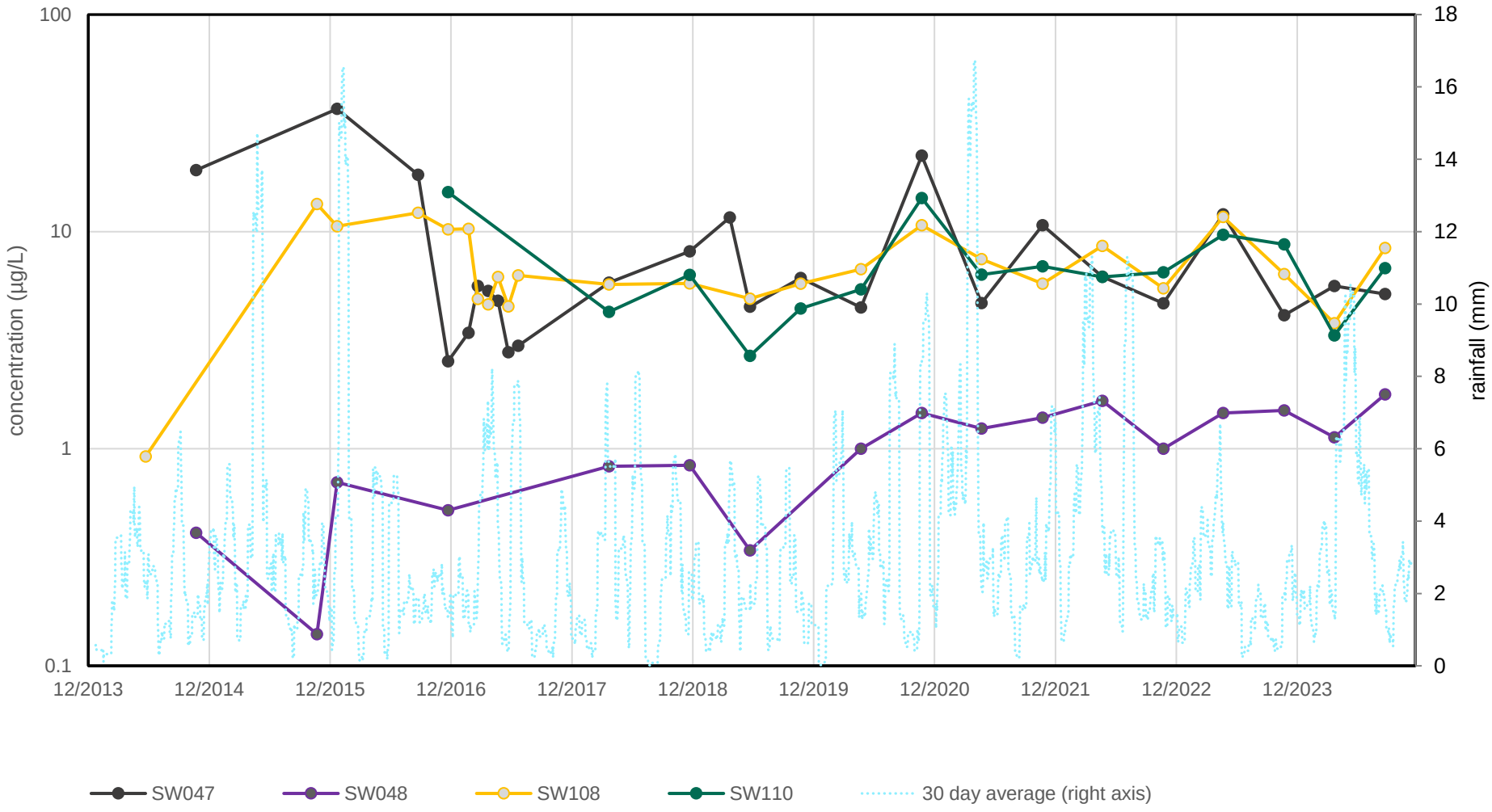
Graph G14 - Groundwater Temporal Trend - PFHxS + PFOS
Trade Waste Treatment



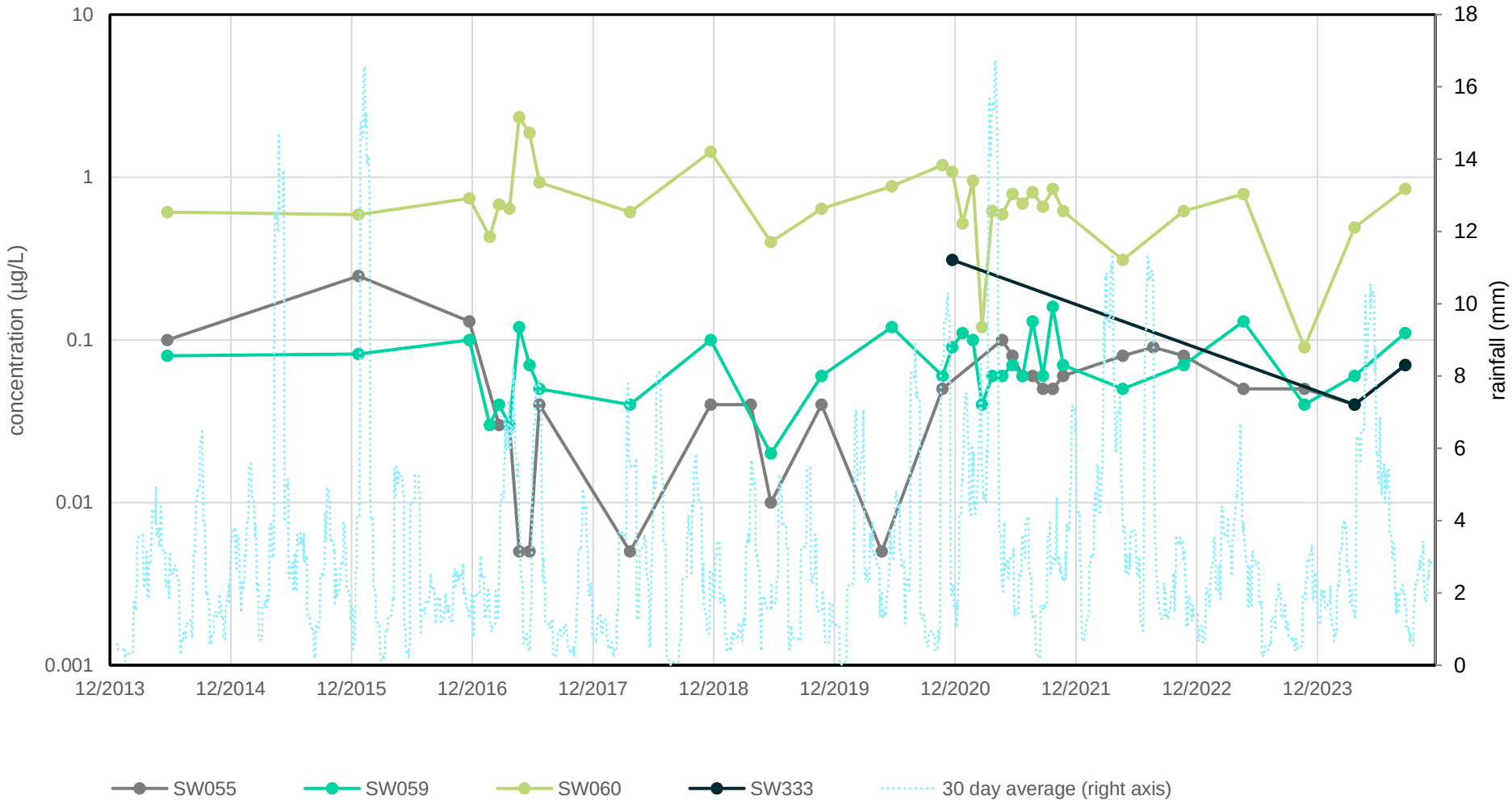
Graph G15 - Surface Water Temporal Trend - PFOA
Lake Cochran and on-Site Drains



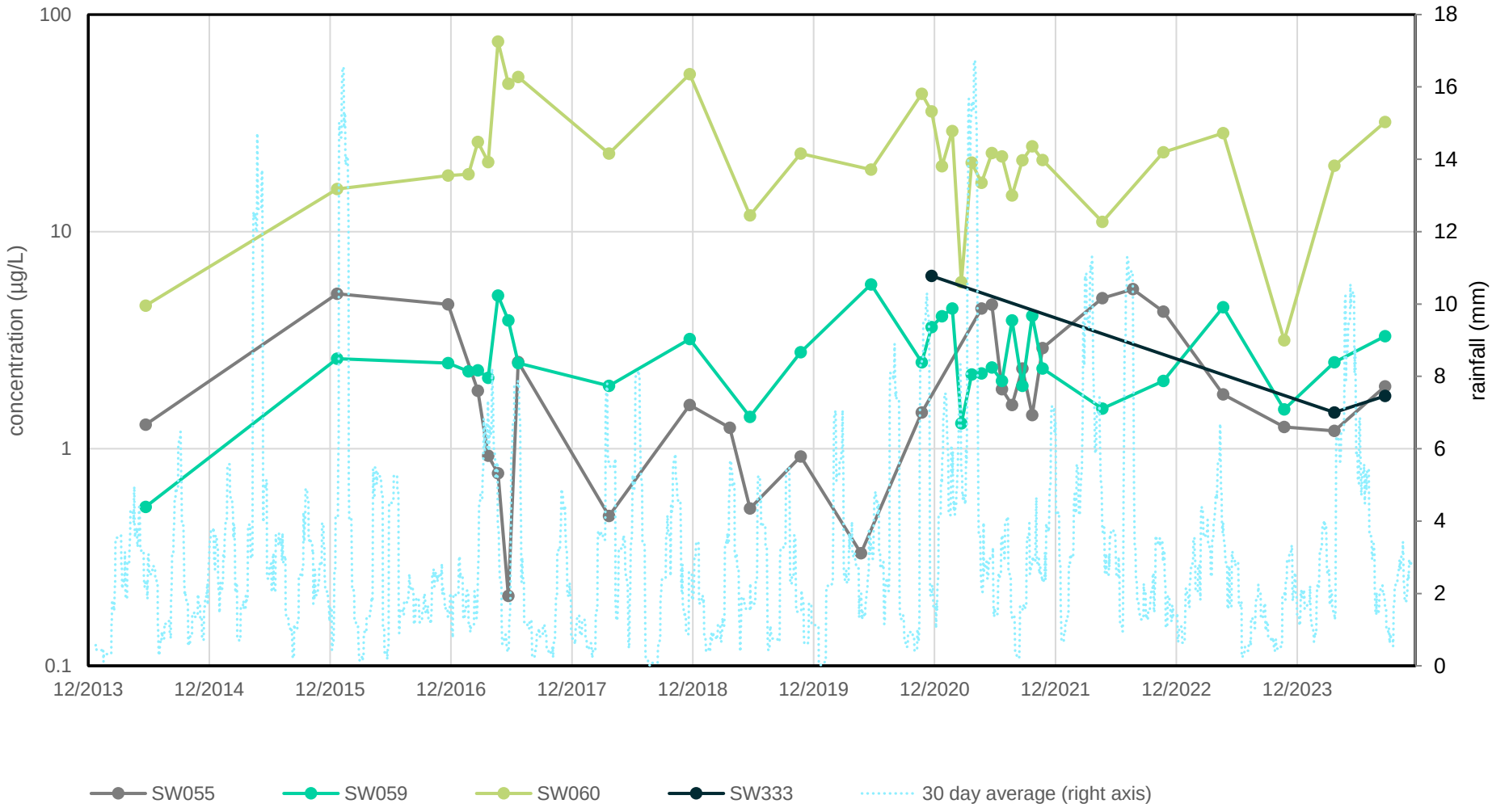
Graph G16 - Surface Water Temporal Trend - PFOS + PFHxS
Lake Cochran and on-Site Drains



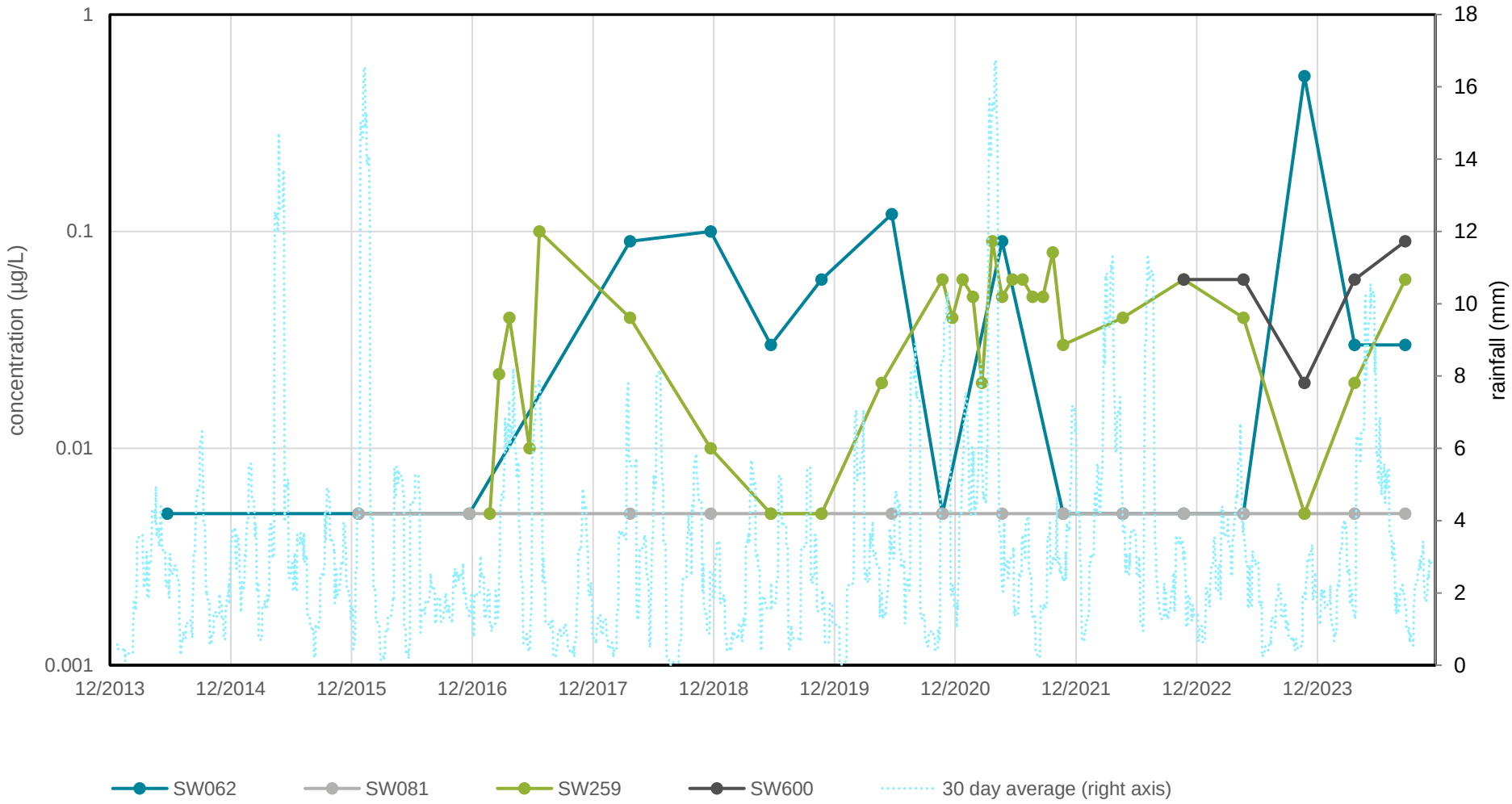
Graph G17 - Surface Water Temporal Trend - PFOA
Dawsons Drain



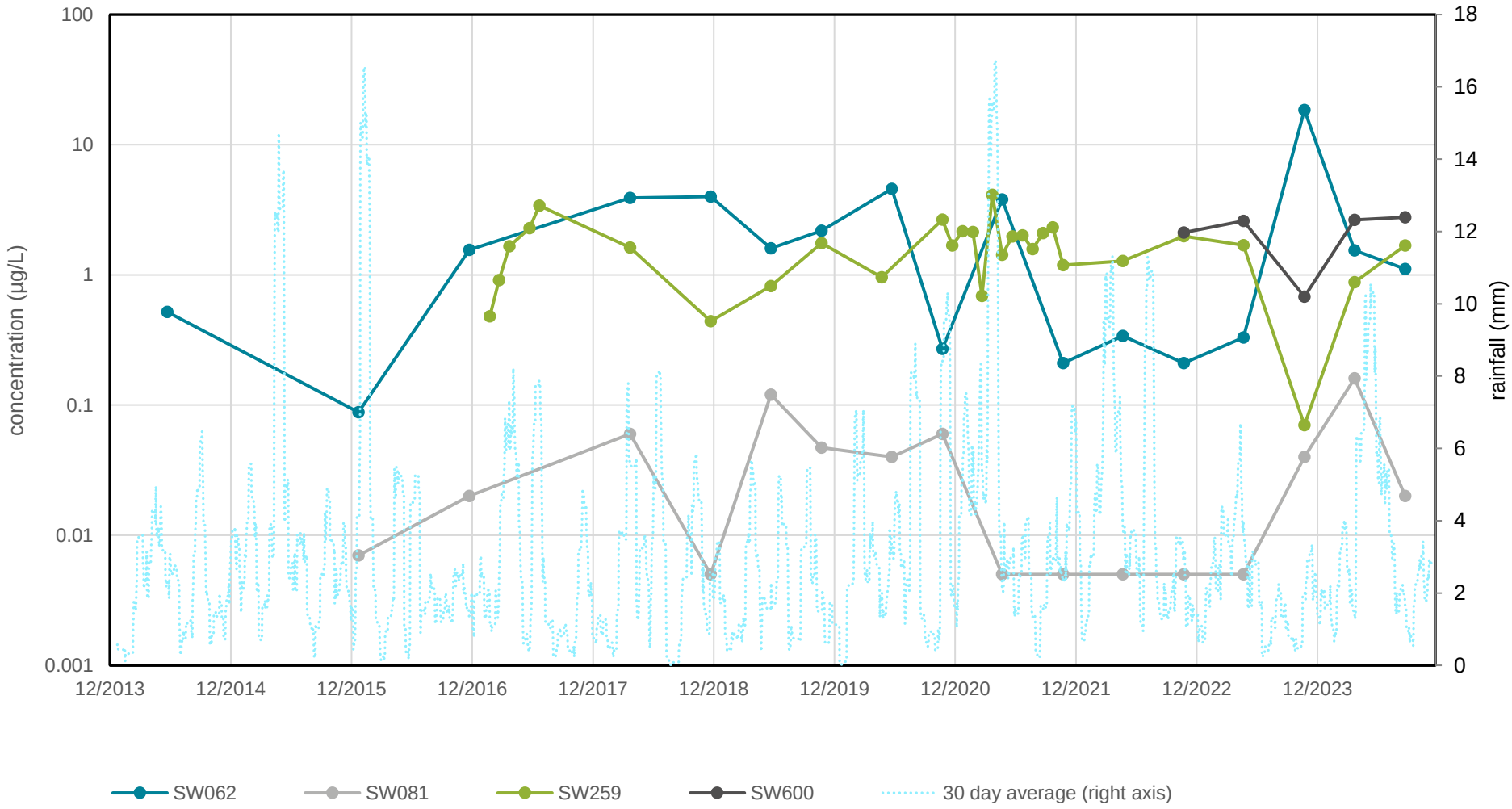
Graph G18 - Surface Water Temporal Trend - PFOS + PFHxS
Dawsons Drain



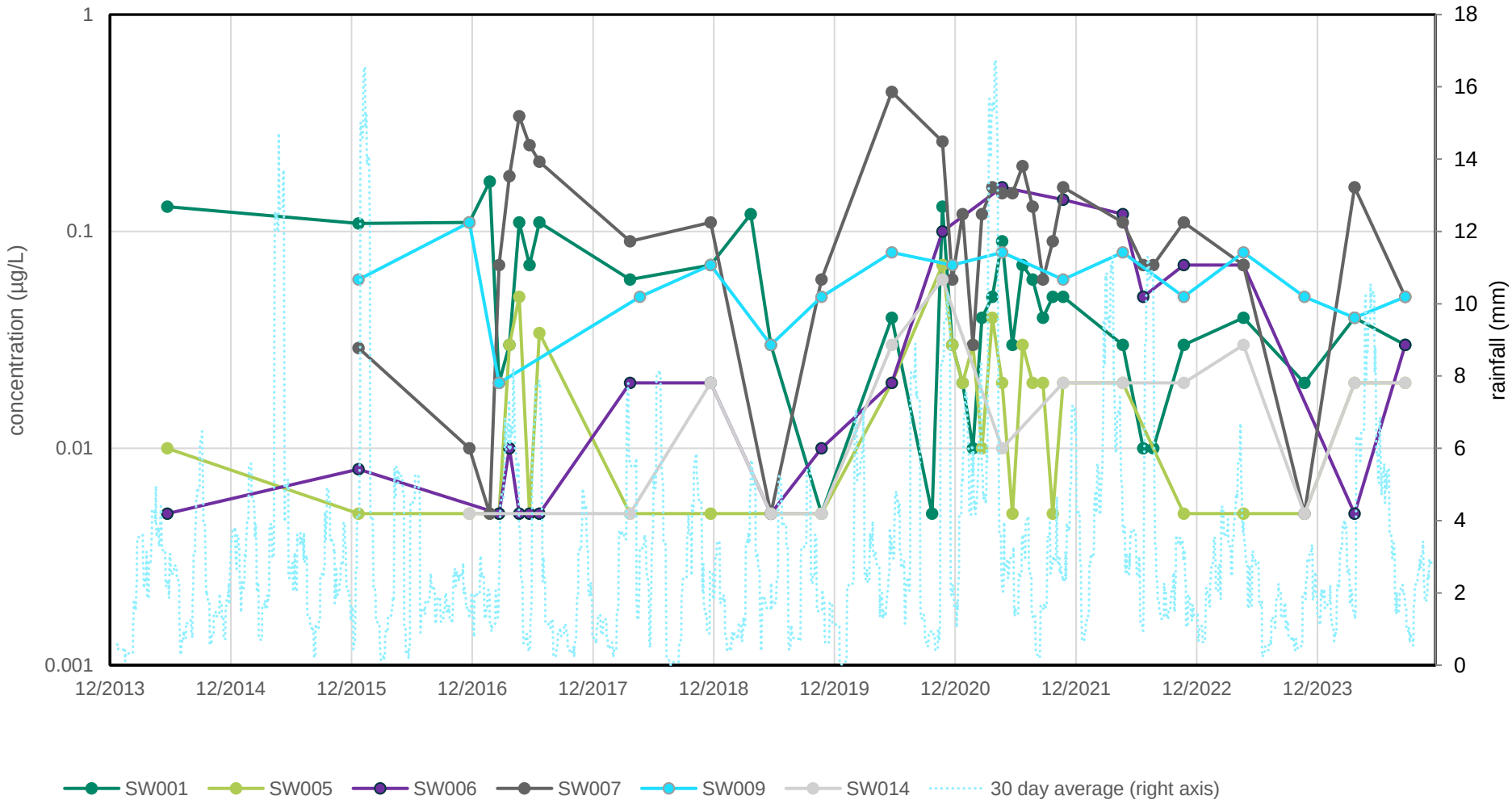
Graph G19 - Surface Water Temporal Trend - PFOA
Fourteen Foot and Ten Foot Drains and Fullerton Ring Drain



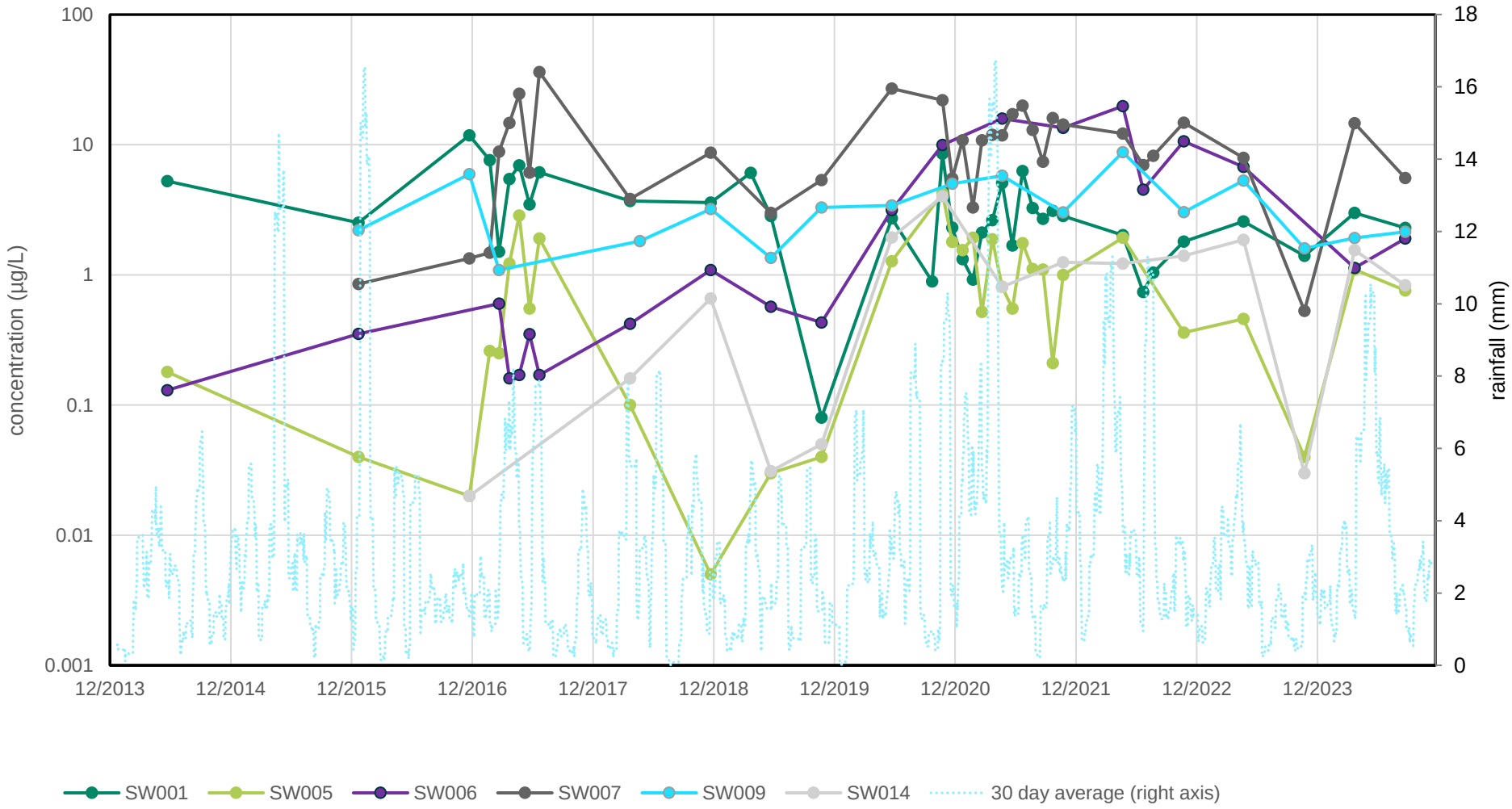
Graph G20 - Surface Water Temporal Trend - PFOS + PFHxS
Fourteen Foot and Ten Foot Drains and Fullerton Ring Drain



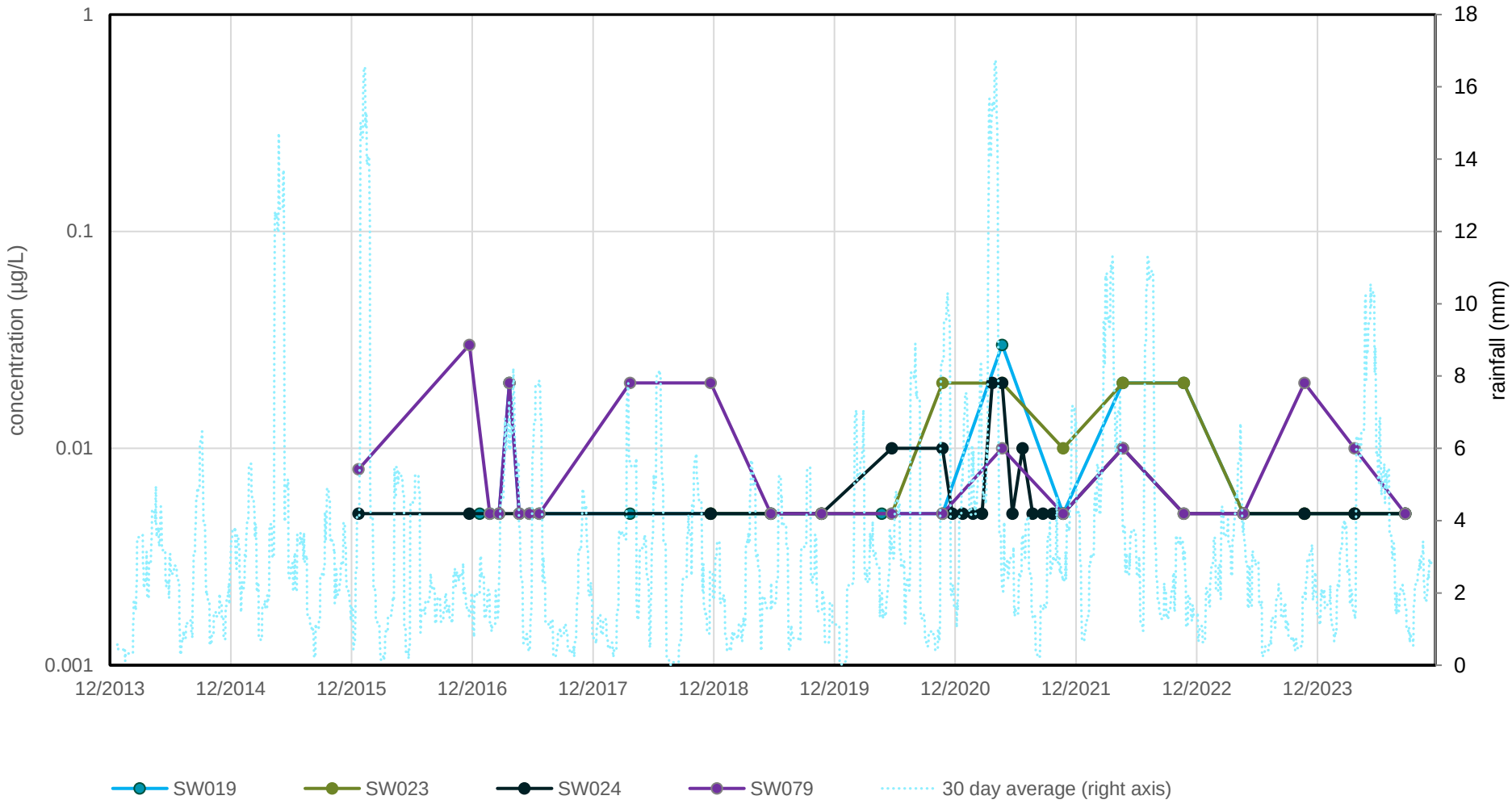
Graph G21 - Surface Water Temporal Trend - PFOA
Moors Drain



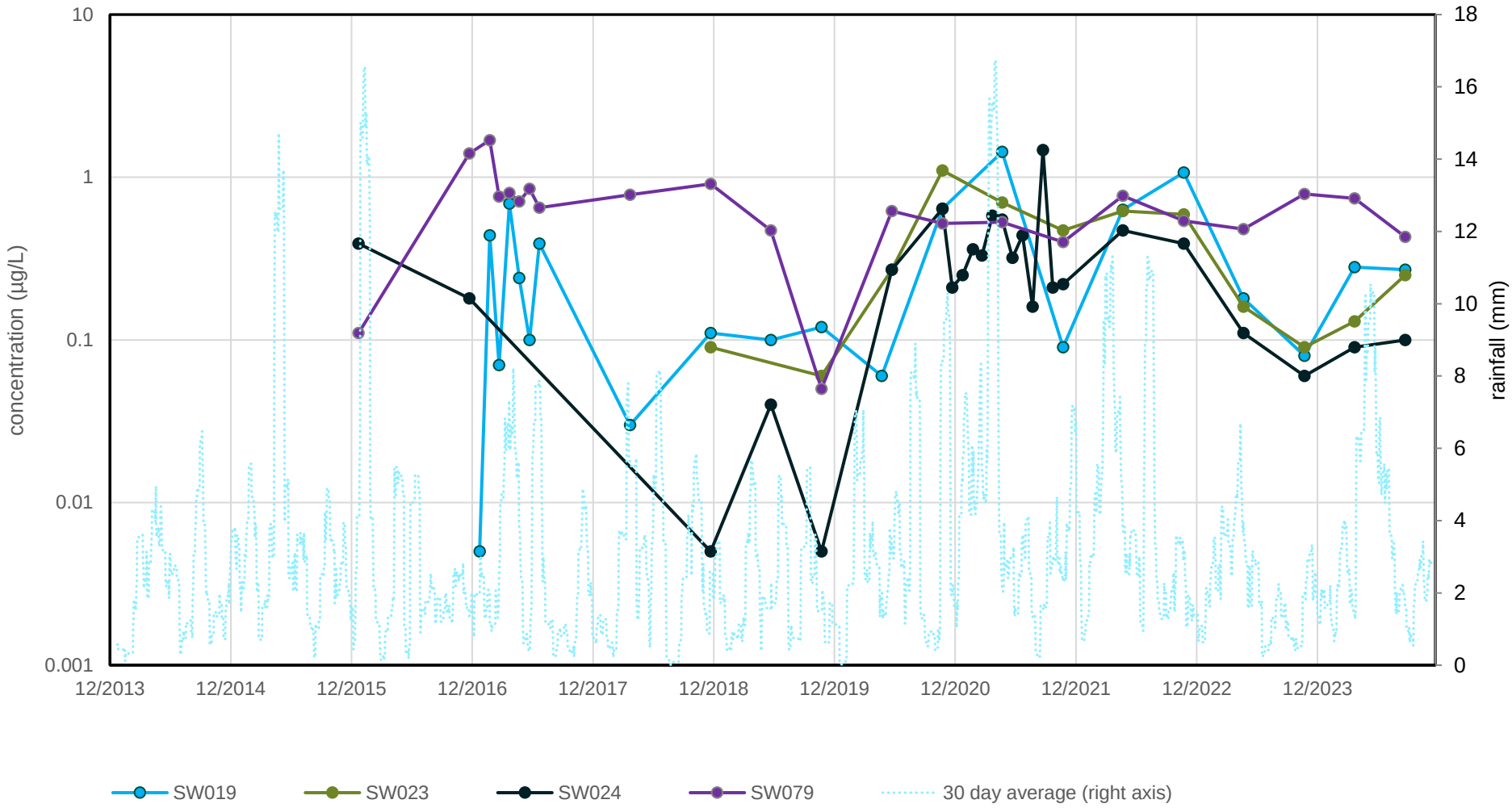
Graph G22 - Surface Water Temporal Trend - PFOS + PFHxS
Moors Drain

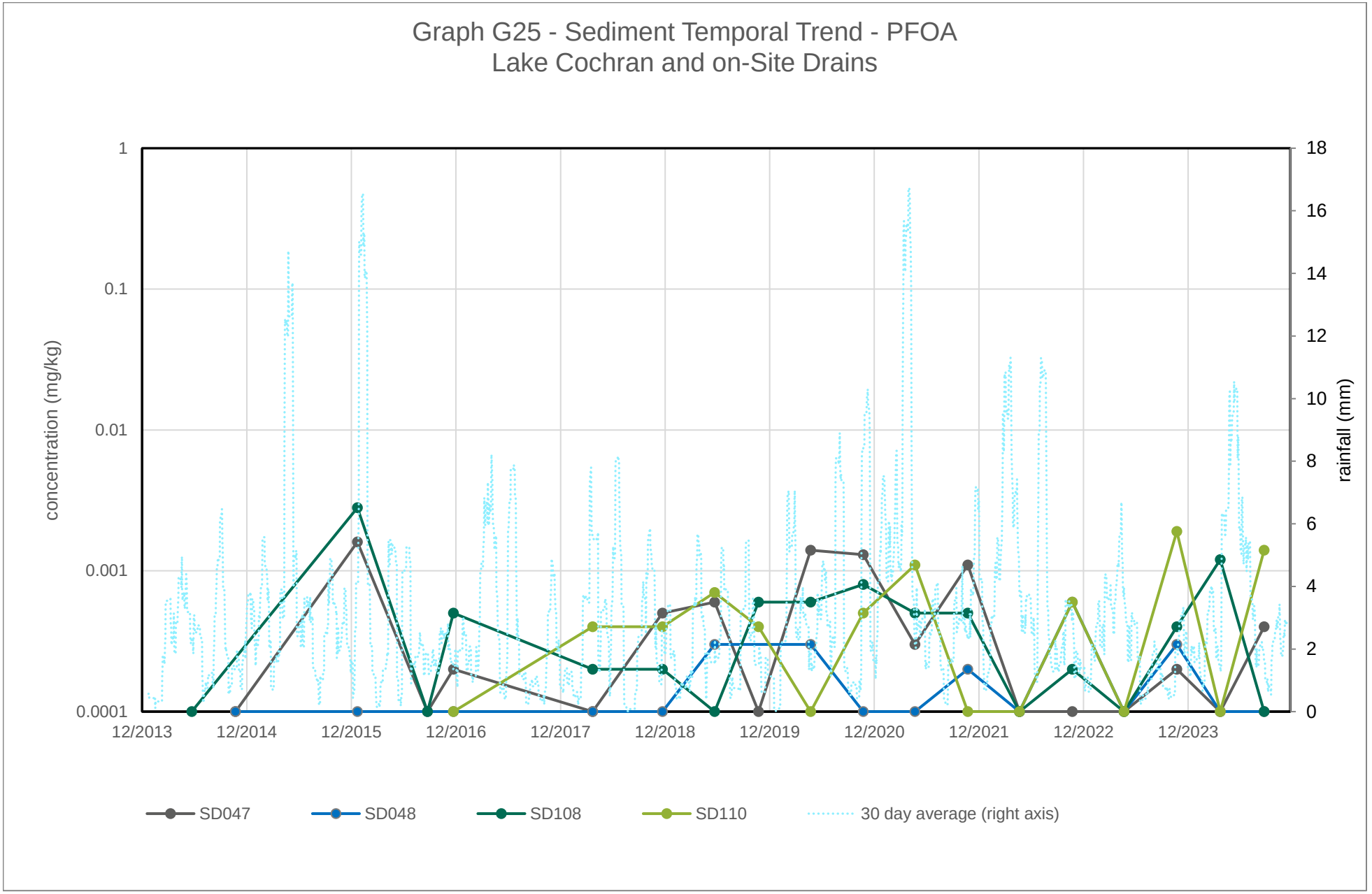


Graph G23 - Surface Water Temporal Trend - PFOA
Tilligerry Creek

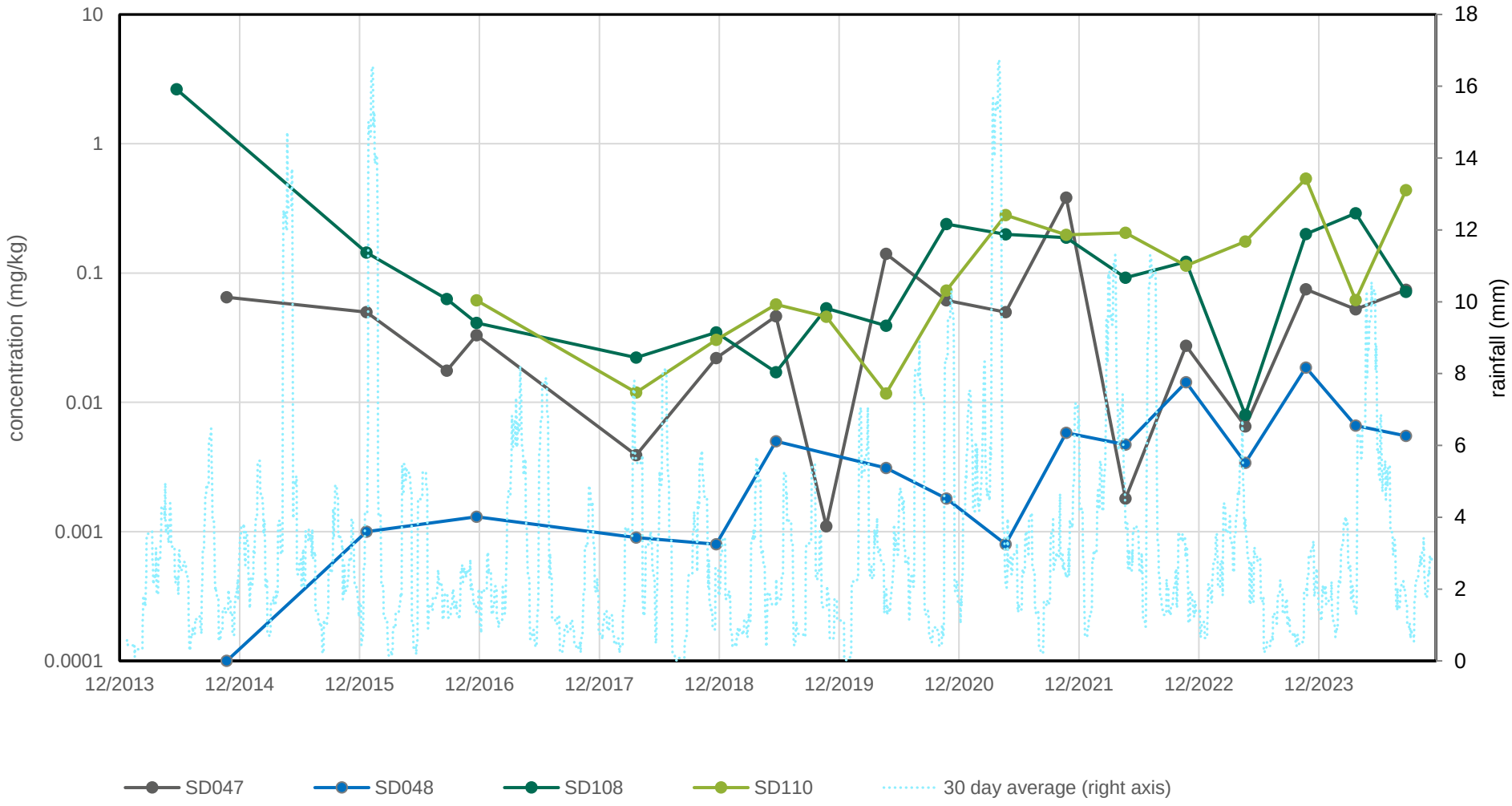


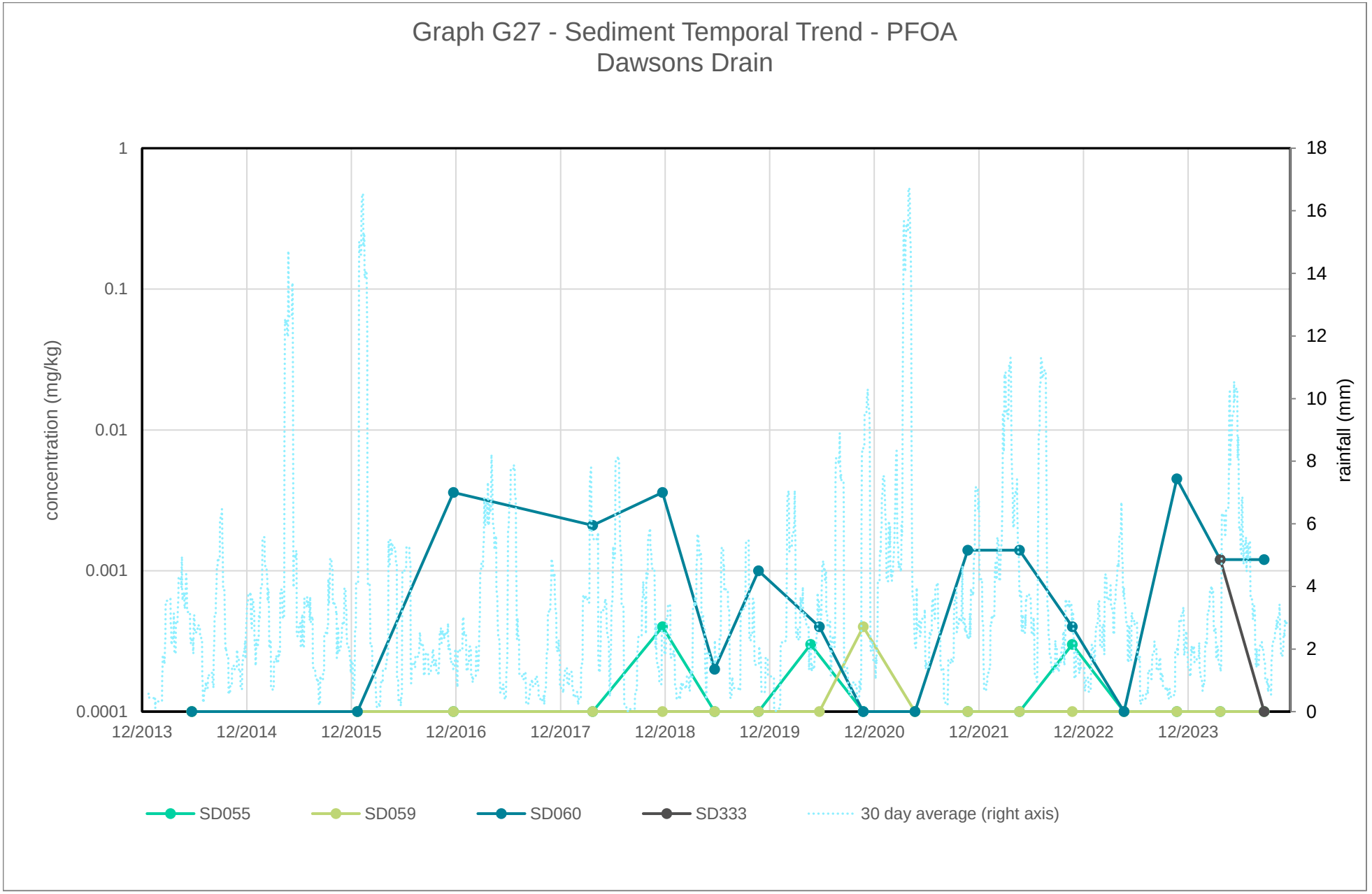
Graph G24 - Surface Water Temporal Trend - PFOS + PFHxS
Tilligerry Creek



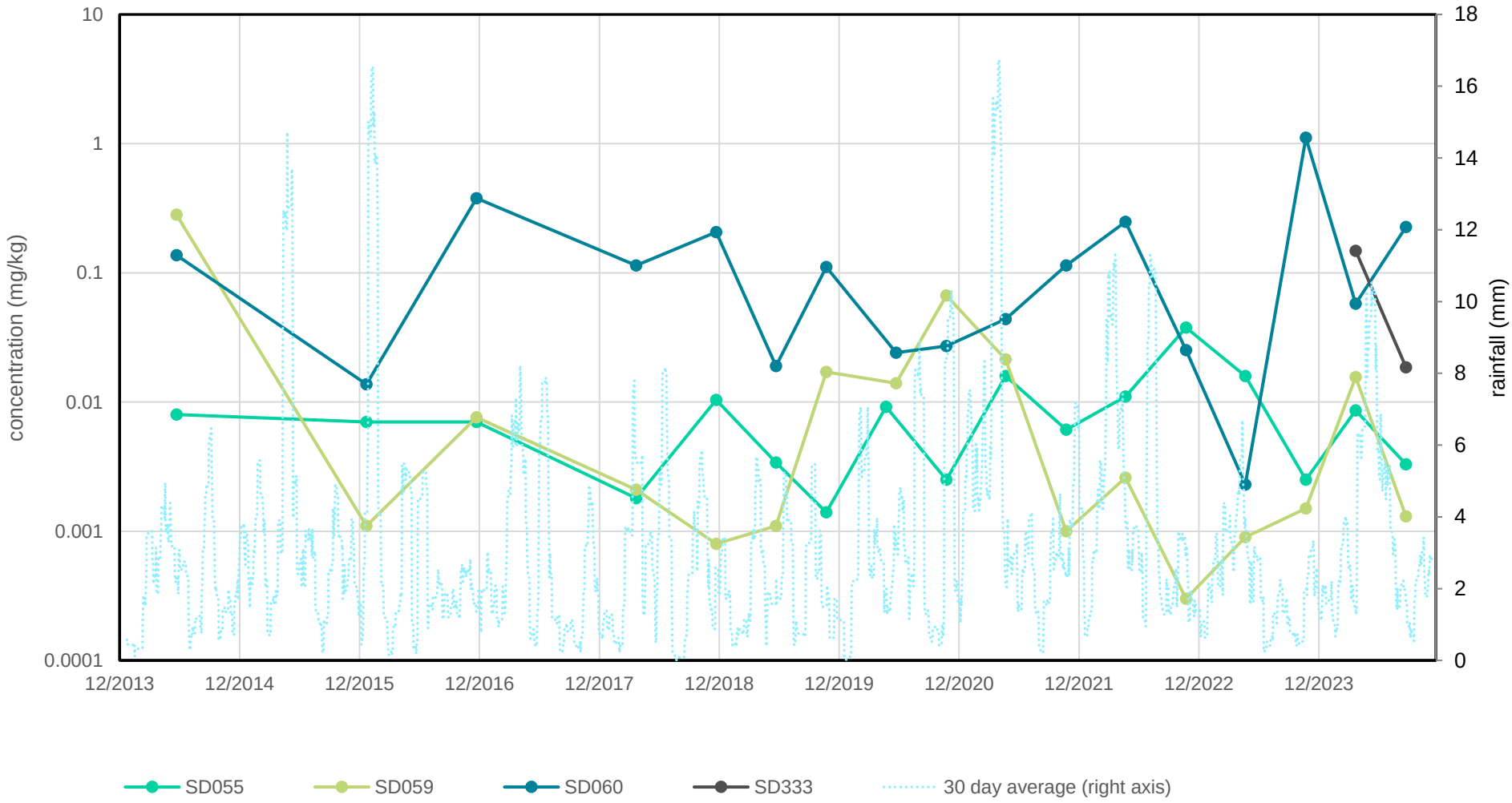

Graph G25 - Sediment Temporal Trend - PFOA
Lake Cochran and on-Site Drains
concentration (mg/kg)
rainfall (mm)
1
0.1
0.01
0.001
0.0001
18
16
14
12
10
8
6
4
2
0
12/2013
12/2014
12/2015
12/2016
12/2017
12/2018
12/2019
12/2020
12/2021
12/2022
12/2023
SD047
SD048
SD108
SD110
30 day average (right axis)

Graph G26 - Sediment Temporal Trend - PFOS + PFHxS
Lake Cochran and on-Site Drains

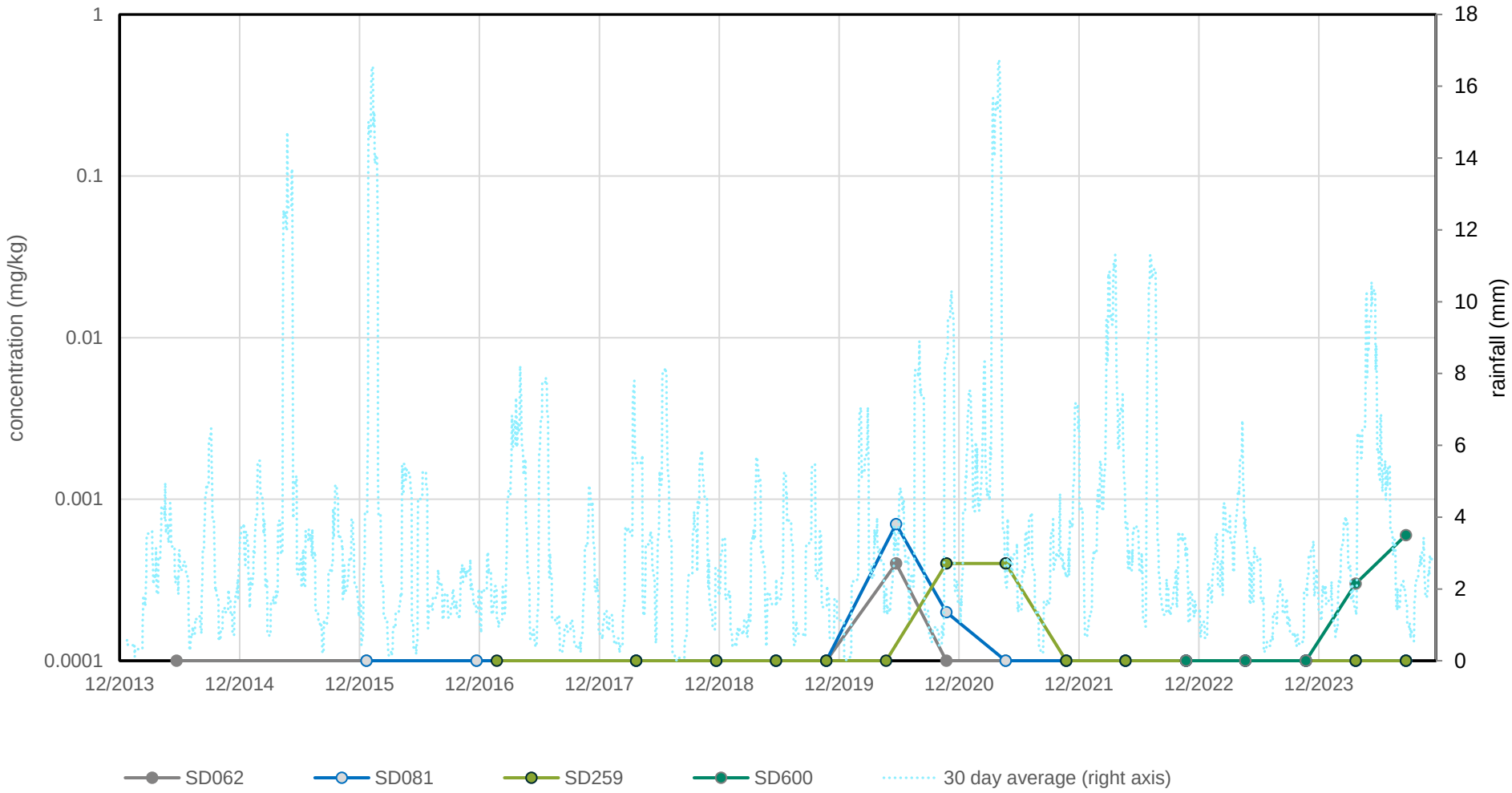



Graph G27 - Sediment Temporal Trend - PFOA
Dawsons Drain
concentration (mg/kg)
rainfall (mm)
1
0.1
0.01
0.001
0.0001
18
16
14
12
10
8
6
4
2
0
12/2013
12/2014
12/2015
12/2016
12/2017
12/2018
12/2019
12/2020
12/2021
12/2022
12/2023
SD055
SD059
SD060
SD333
30 day average (right axis)

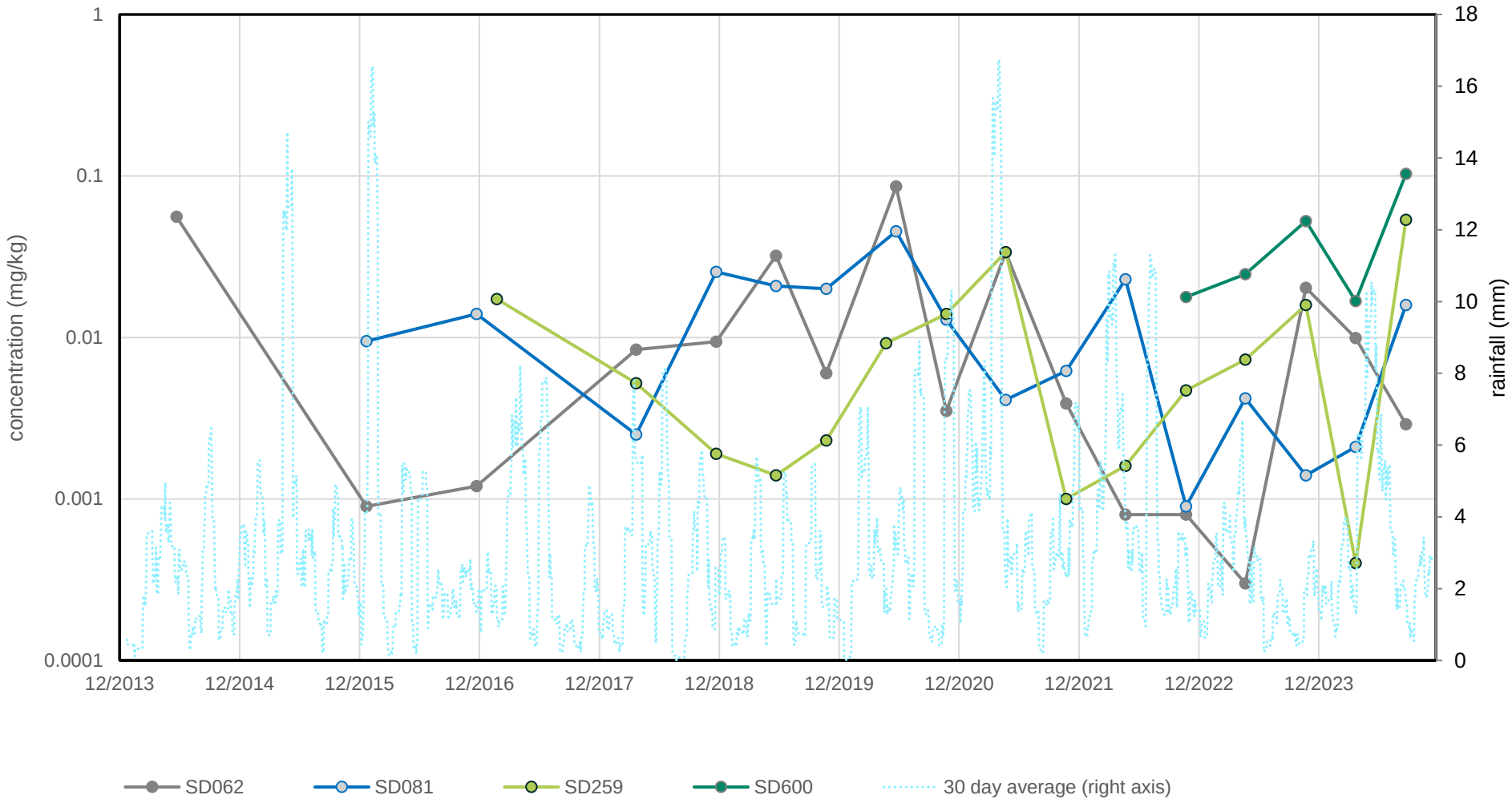
Graph G28 - Sediment Temporal Trend - PFOS + PFHxS
Dawsons Drain



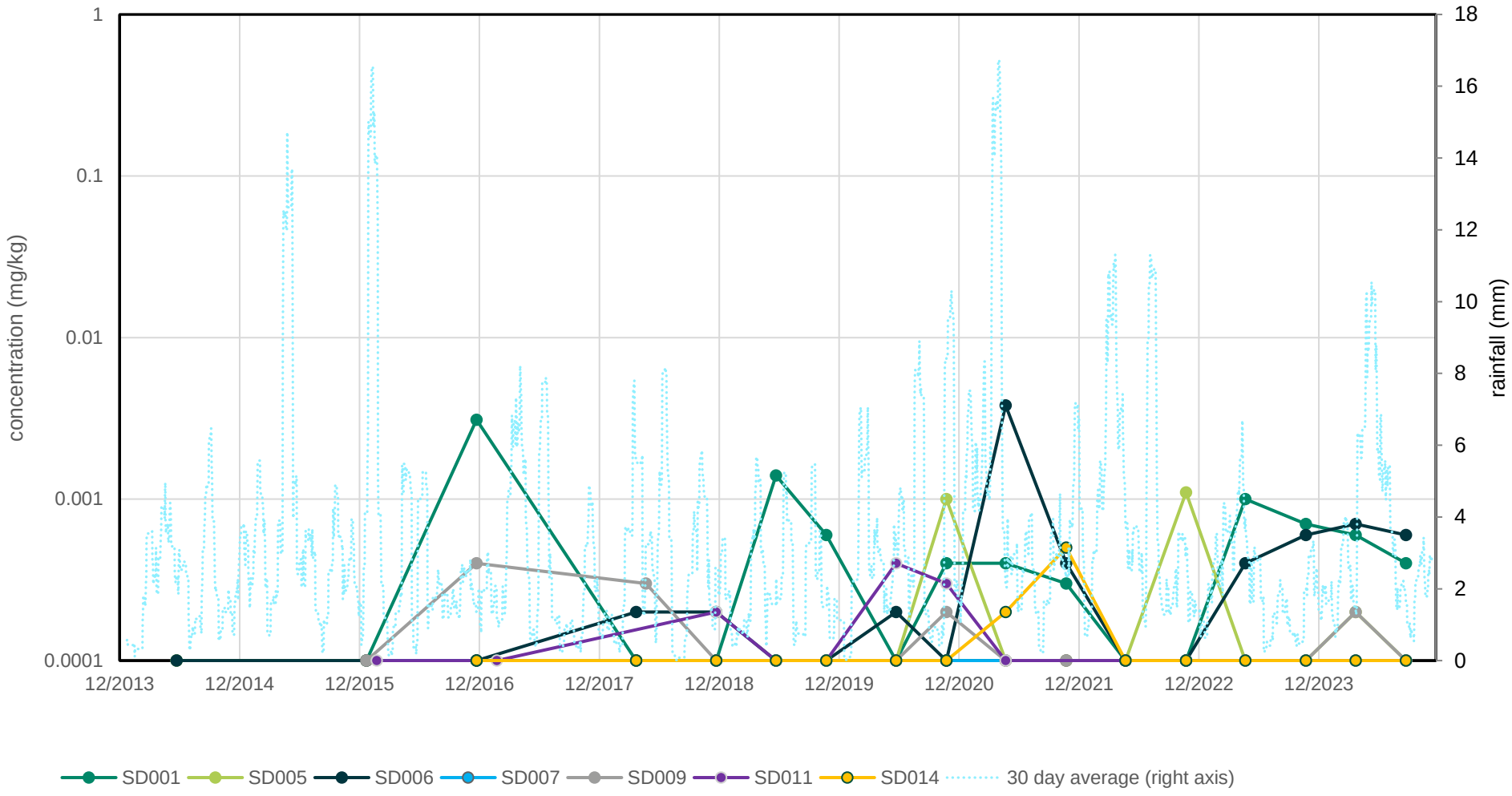
Graph G29 - Sediment Temporal Trend - PFOA
Fourteen Foot and Ten Foot Drains, Fullerton Cove Ring Drain and Tidal Gate Outlet



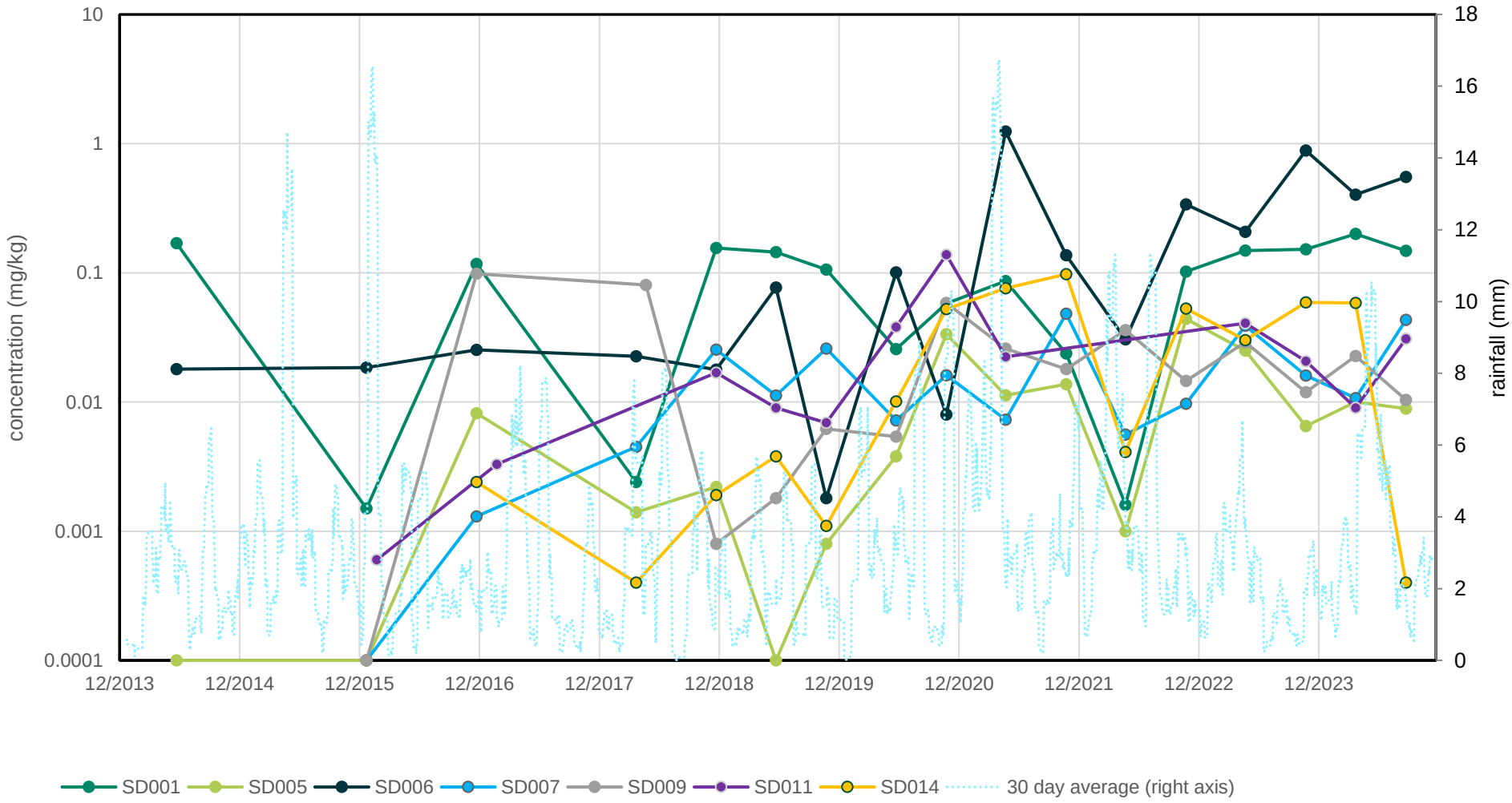
Graph G30 - Sediment Temporal Trend - PFOS + PFHxS
Fourteen Foot and Ten Foot Drains, Fullerton Cove Ring Drain and Tidal Gate Outlet



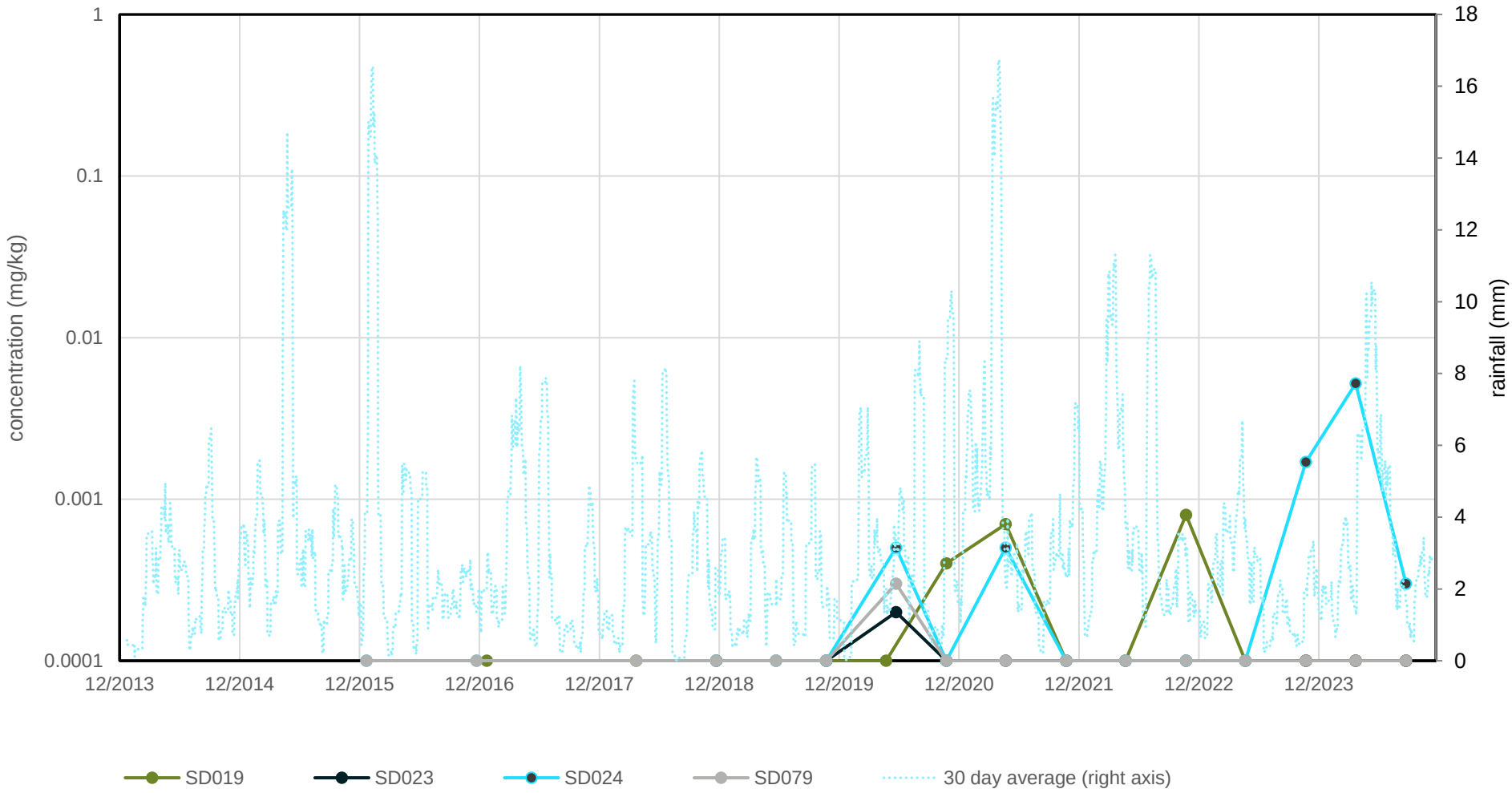
Graph G31 - Sediment Temporal Trend - PFOA
Moors Drain



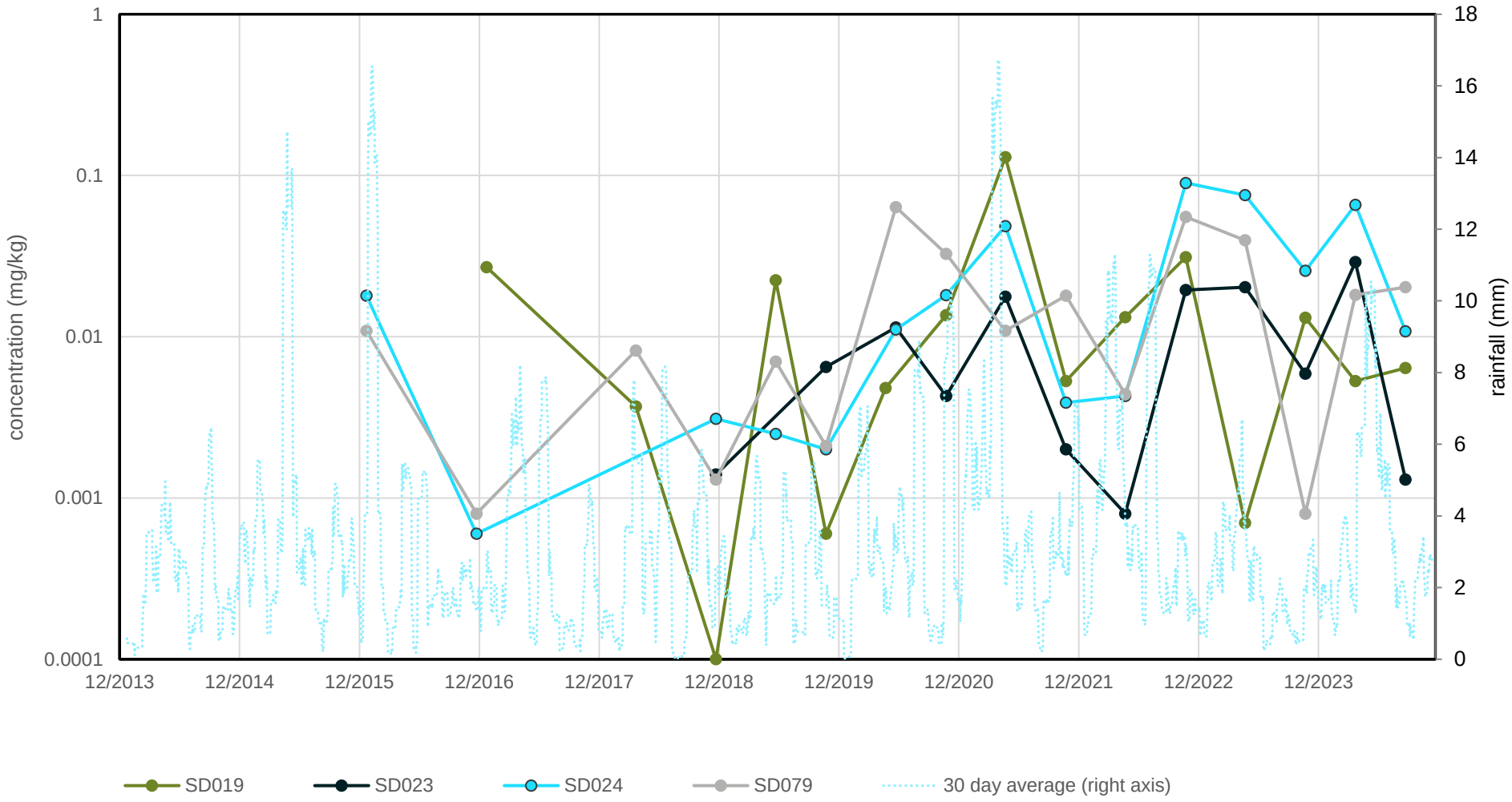
Graph G32 - Sediment Temporal Trend - PFOS + PFHxS
Moors Drain



Graph G33 - Sediment Temporal Trend - PFOA
Tilligerry Creek



Graph G34 - Sediment Temporal Trend - PFOS + PFHxS
Tilligerry Creek



Mann Kendall Analysis

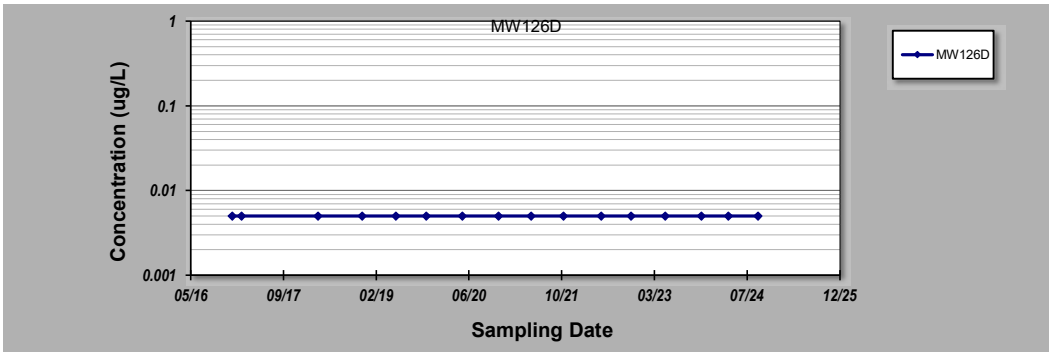
AECOM

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW126D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	19/12/2016	0.005
2	7/02/2017	0.005
3	26/03/2018	0.005
4	20/11/2018	0.005
5	21/05/2019	0.005
6	1/11/2019	0.005
7	13/05/2020	0.005
8	24/11/2020	0.005
9	19/05/2021	0.005
10	9/11/2021	0.005
11	31/05/2022	0.005
12	9/11/2022	0.005
13	11/05/2023	0.005
14	23/11/2023	0.005
15	16/04/2024	0.005
16	23/09/2024	0.005
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		48.2%
Concentration Trend:		Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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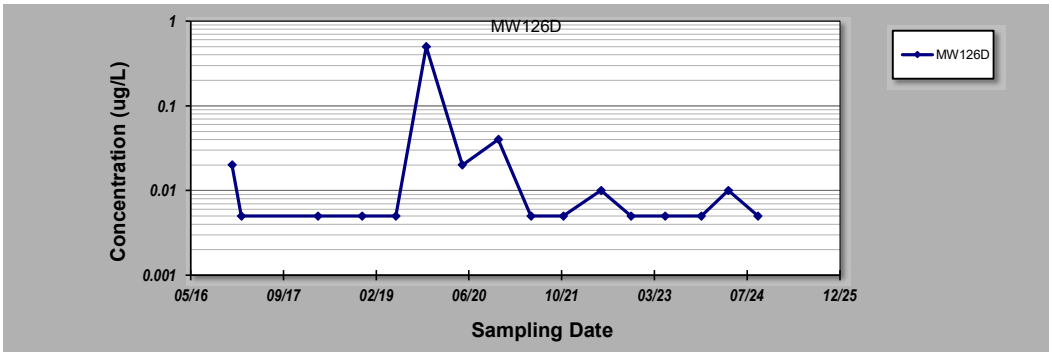
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW126D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	19/12/2016	0.02
2	7/02/2017	0.005
3	26/03/2018	0.005
4	20/11/2018	0.005
5	21/05/2019	0.005
6	1/11/2019	0.5
7	13/05/2020	0.02
8	24/11/2020	0.04
9	19/05/2021	0.005
10	9/11/2021	0.005
11	31/05/2022	0.01
12	9/11/2022	0.005
13	11/05/2023	0.005
14	23/11/2023	0.005
15	16/04/2024	0.01
16	23/09/2024	0.005
17		
18		
19		
20		
Coefficient of Variation:		3.02
Mann-Kendall Statistic (S):		-13
Confidence Factor:		70.3%
Concentration Trend:		NA



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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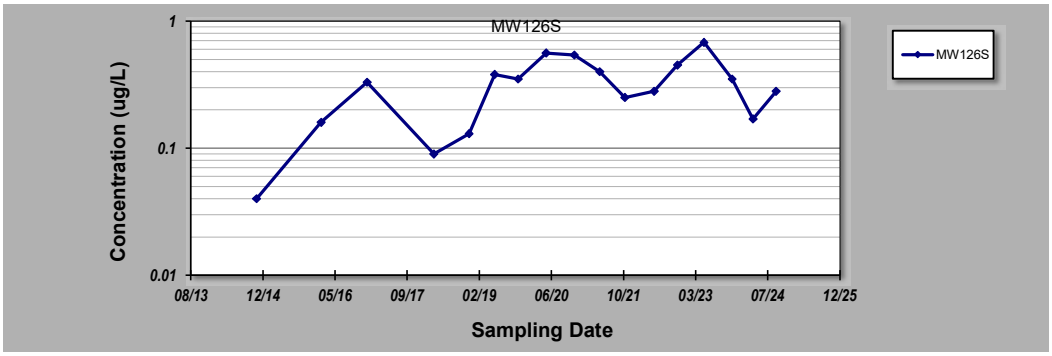
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW126S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	13/11/2014	0.04
2	3/02/2016	0.16
3	19/12/2016	0.33
4	26/03/2018	0.09
5	26/11/2018	0.13
6	21/05/2019	0.38
7	1/11/2019	0.35
8	13/05/2020	0.56
9	24/11/2020	0.54
10	19/05/2021	0.4
11	9/11/2021	0.25
12	31/05/2022	0.28
13	9/11/2022	0.45
14	11/05/2023	0.68
15	23/11/2023	0.35
16	16/04/2024	0.17
17	23/09/2024	0.28
18		
19		
20		
Coefficient of Variation:		0.55
Mann-Kendall Statistic (S):		38
Confidence Factor:		93.6%
Concentration Trend:		Prob. Increasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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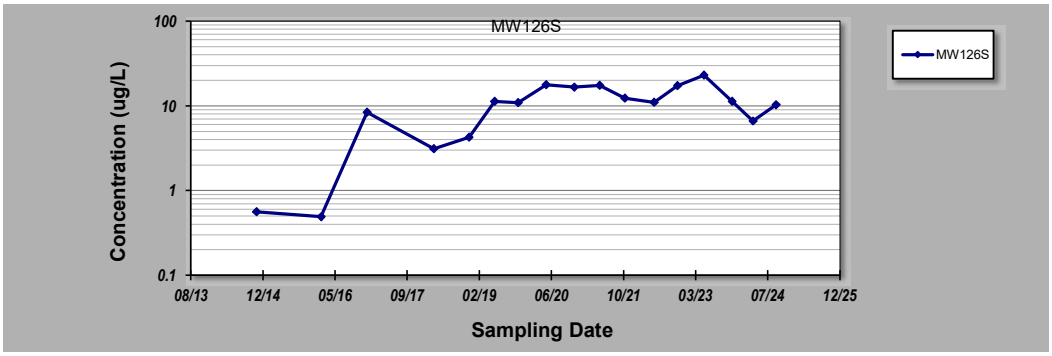
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW126S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/11/2014	0.56
2	3/02/2016	0.49
3	19/12/2016	8.37
4	26/03/2018	3.11
5	26/11/2018	4.27
6	21/05/2019	11.3
7	1/11/2019	10.9
8	13/05/2020	17.7
9	24/11/2020	16.6
10	19/05/2021	17.5
11	9/11/2021	12.3
12	31/05/2022	11
13	9/11/2022	17.3
14	11/05/2023	23
15	23/11/2023	11.3
16	16/04/2024	6.63
17	23/09/2024	10.3
18		
19		
20		
Coefficient of Variation:		0.60
Mann-Kendall Statistic (S):		49
Confidence Factor:		97.7%
Concentration Trend:		Increasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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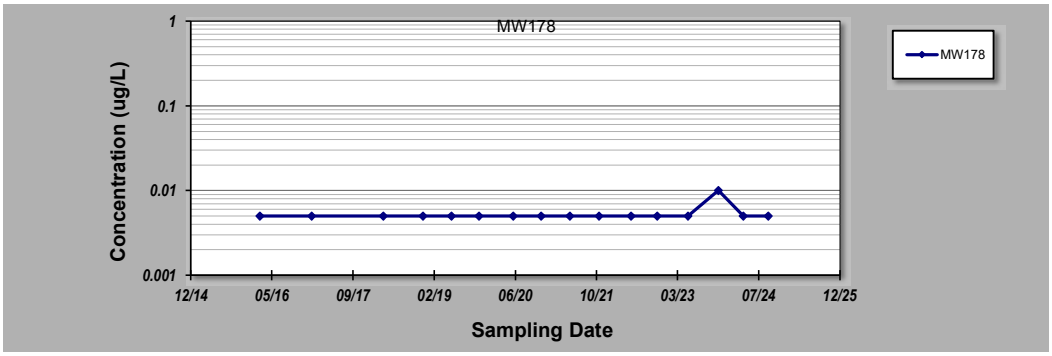
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW178

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	26/02/2016	0.005
2	10/01/2017	0.005
3	27/03/2018	0.005
4	26/11/2018	0.005
5	21/05/2019	0.005
6	7/11/2019	0.005
7	4/06/2020	0.005
8	24/11/2020	0.005
9	19/05/2021	0.005
10	15/11/2021	0.005
11	1/06/2022	0.005
12	9/11/2022	0.005
13	17/05/2023	0.005
14	21/11/2023	0.01
15	22/04/2024	0.005
16	23/09/2024	0.005
17		
18		
19		
20		
Coefficient of Variation:		0.24
Mann-Kendall Statistic (S):		11
Confidence Factor:		67.1%
Concentration Trend:		NA



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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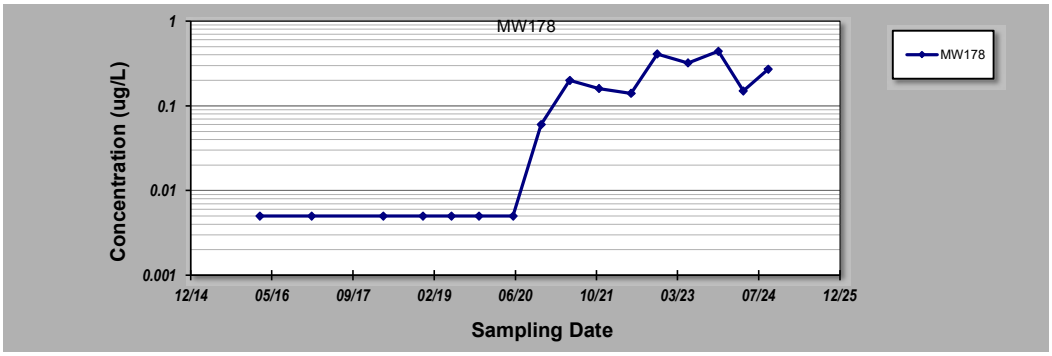
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW178

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	26/02/2016	0.005
2	10/01/2017	0.005
3	27/03/2018	0.005
4	26/11/2018	0.005
5	21/05/2019	0.005
6	7/11/2019	0.005
7	4/06/2020	0.005
8	24/11/2020	0.06
9	19/05/2021	0.2
10	15/11/2021	0.16
11	1/06/2022	0.14
12	9/11/2022	0.41
13	17/05/2023	0.32
14	21/11/2023	0.44
15	22/04/2024	0.15
16	23/09/2024	0.27
17		
18		
19		
20		
Coefficient of Variation:		1.12
Mann-Kendall Statistic (S):		75
Confidence Factor:		>99.9%
Concentration Trend:		Increasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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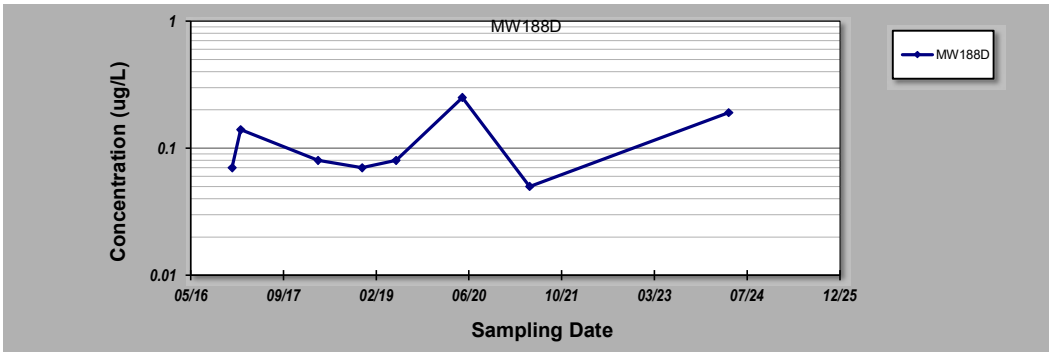
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW188D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	19/12/2016	0.07
2	3/02/2017	0.14
3	27/03/2018	0.08
4	20/11/2018	0.07
5	22/05/2019	0.08
6	13/05/2020	0.25
7	12/05/2021	0.05
8	18/04/2024	0.19
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.61
Mann-Kendall Statistic (S):		4
Confidence Factor:		64.0%
Concentration Trend:		No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW188D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	19/12/2016	1.24
2	3/02/2017	2.22
3	27/03/2018	1.39
4	20/11/2018	0.79
5	22/05/2019	1.27
6	13/05/2020	8.52
7	12/05/2021	1.7
8	18/04/2024	5.29
9		
10		
11		
12		
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14		
15		
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17		
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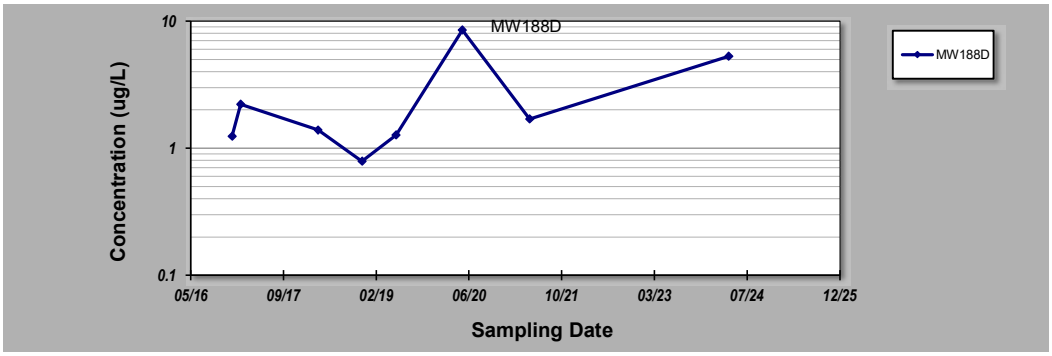
19		
20		
Coefficient of Variation:		0.97
Mann-Kendall Statistic (S):		10
Confidence Factor:		86.2%
Concentration Trend:		No Trend



Notes:

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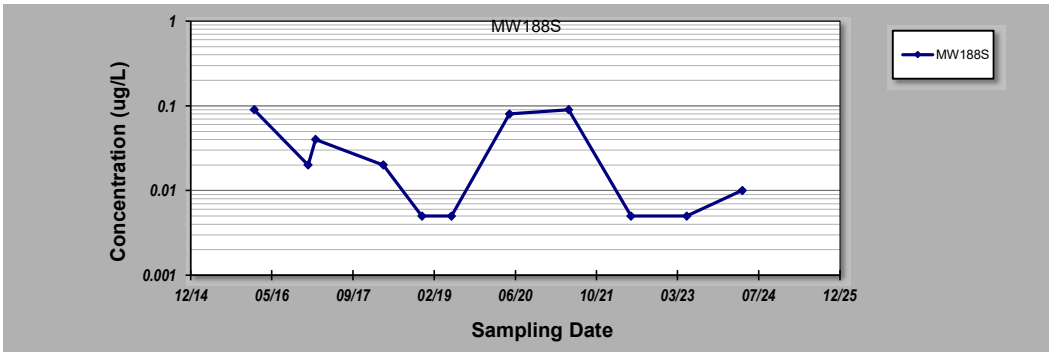
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW188S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	22/01/2016	0.09
2	19/12/2016	0.02
3	3/02/2017	0.04
4	27/03/2018	0.02
5	20/11/2018	0.005
6	21/05/2019	0.005
7	13/05/2020	0.08
8	12/05/2021	0.09
9	31/05/2022	0.005
10	11/05/2023	0.005
11	16/04/2024	0.01
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.06
Mann-Kendall Statistic (S):		-15
Confidence Factor:		85.9%
Concentration Trend:		No Trend



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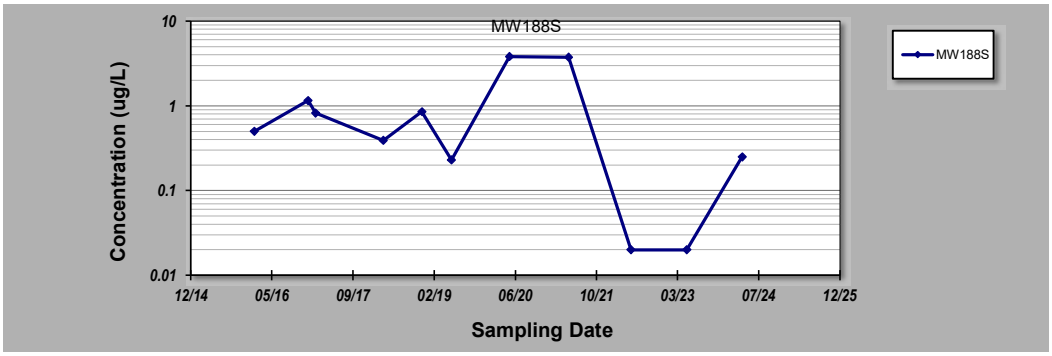
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW188S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	22/01/2016	0.5
2	19/12/2016	1.15
3	3/02/2017	0.82
4	27/03/2018	0.39
5	20/11/2018	0.85
6	21/05/2019	0.23
7	13/05/2020	3.8
8	12/05/2021	3.75
9	31/05/2022	0.02
10	11/05/2023	0.02
11	16/04/2024	0.25
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.29
Mann-Kendall Statistic (S):		-14
Confidence Factor:		84.0%
Concentration Trend:		No Trend



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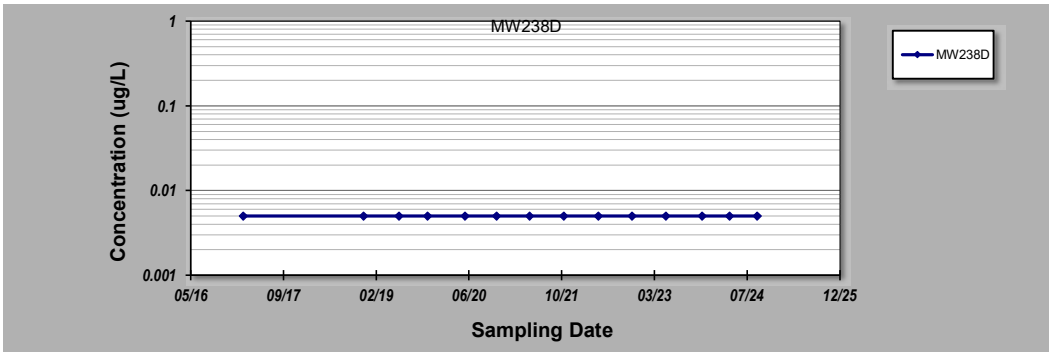
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW238D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	17/02/2017	0.005
2	28/11/2018	0.005
3	6/06/2019	0.005
4	8/11/2019	0.005
5	27/05/2020	0.005
6	13/11/2020	0.005
7	10/05/2021	0.005
8	11/11/2021	0.005
9	16/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	22/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.8%
Concentration Trend:		NA



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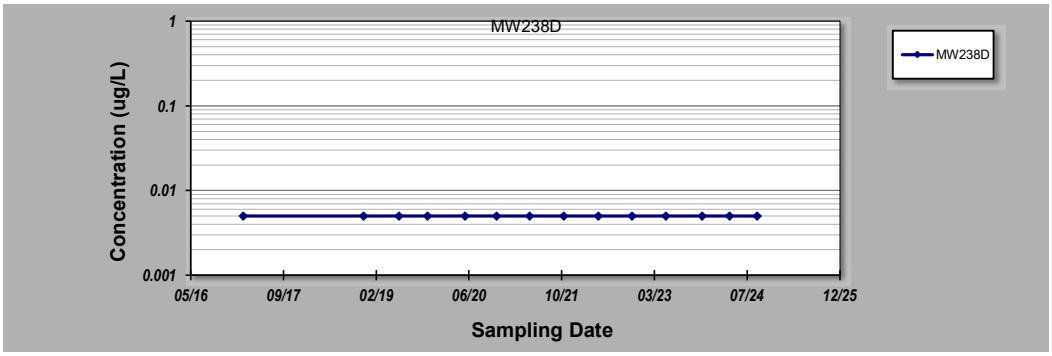
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW238D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	17/02/2017	0.005
2	28/11/2018	0.005
3	6/06/2019	0.005
4	8/11/2019	0.005
5	27/05/2020	0.005
6	13/11/2020	0.005
7	10/05/2021	0.005
8	11/11/2021	0.005
9	16/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	22/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.8%
Concentration Trend:		NA



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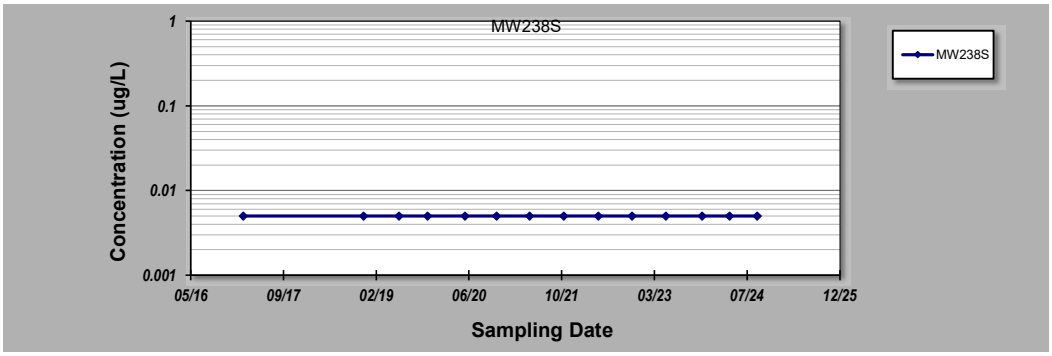
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW238S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	17/02/2017	0.005
2	28/11/2018	0.005
3	6/06/2019	0.005
4	8/11/2019	0.005
5	27/05/2020	0.005
6	13/11/2020	0.005
7	10/05/2021	0.005
8	11/11/2021	0.005
9	16/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	22/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.8%
Concentration Trend:		NA



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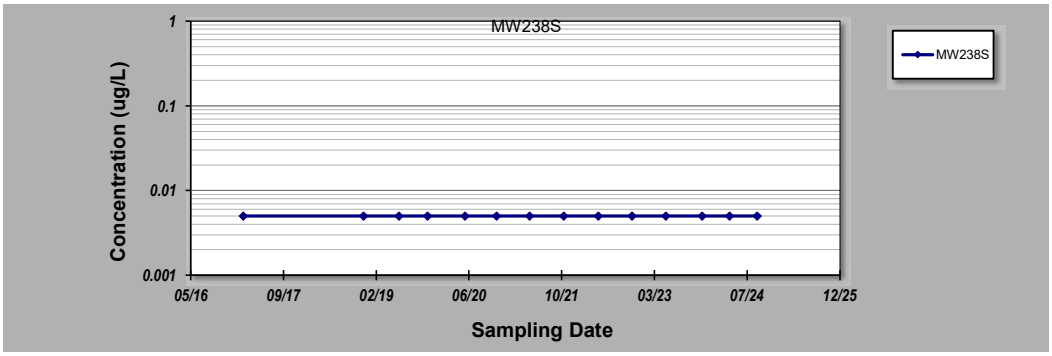
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW238S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	17/02/2017	0.005
2	28/11/2018	0.005
3	6/06/2019	0.005
4	8/11/2019	0.005
5	27/05/2020	0.005
6	13/11/2020	0.005
7	10/05/2021	0.005
8	11/11/2021	0.005
9	16/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	22/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.8%
Concentration Trend:		NA



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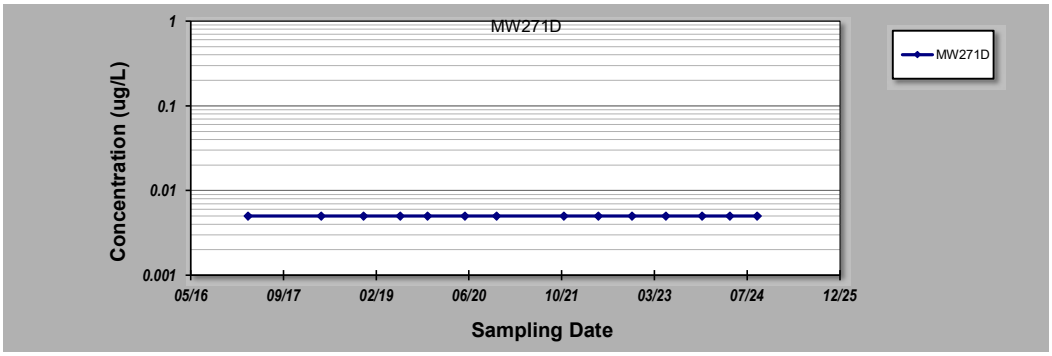
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW271D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	15/03/2017	0.005
2	13/04/2018	0.005
3	28/11/2018	0.005
4	13/06/2019	0.005
5	8/11/2019	0.005
6	26/05/2020	0.005
7	13/11/2020	0.005
8	12/11/2021	0.005
9	16/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	24/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.8%
Concentration Trend:		NA



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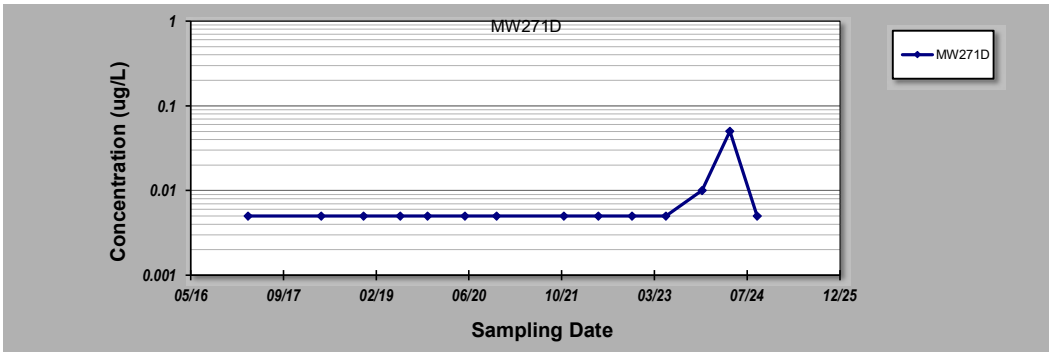
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW271D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	15/03/2017	0.005
2	13/04/2018	0.005
3	28/11/2018	0.005
4	13/06/2019	0.005
5	8/11/2019	0.005
6	26/05/2020	0.005
7	13/11/2020	0.005
8	12/11/2021	0.005
9	16/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.01
13	24/04/2024	0.05
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.40
Mann-Kendall Statistic (S):		21
Confidence Factor:		86.0%
Concentration Trend:		NA



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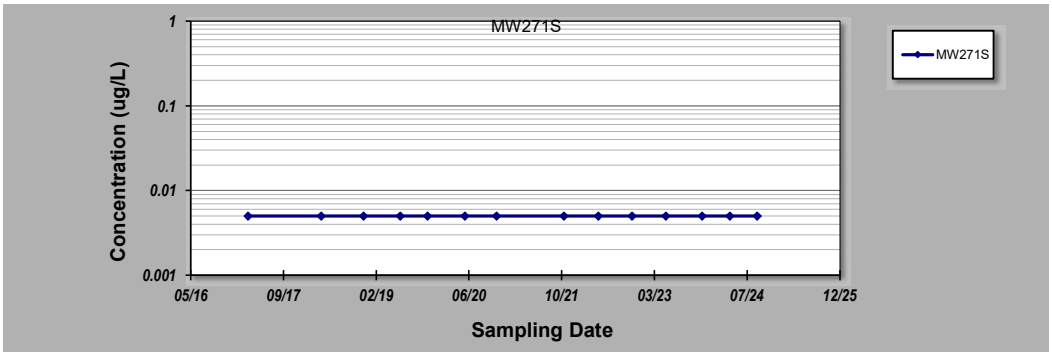
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW271S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	15/03/2017	0.005
2	13/04/2018	0.005
3	28/11/2018	0.005
4	13/06/2019	0.005
5	8/11/2019	0.005
6	26/05/2020	0.005
7	13/11/2020	0.005
8	12/11/2021	0.005
9	16/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	24/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.8%
Concentration Trend:		NA



Notes:

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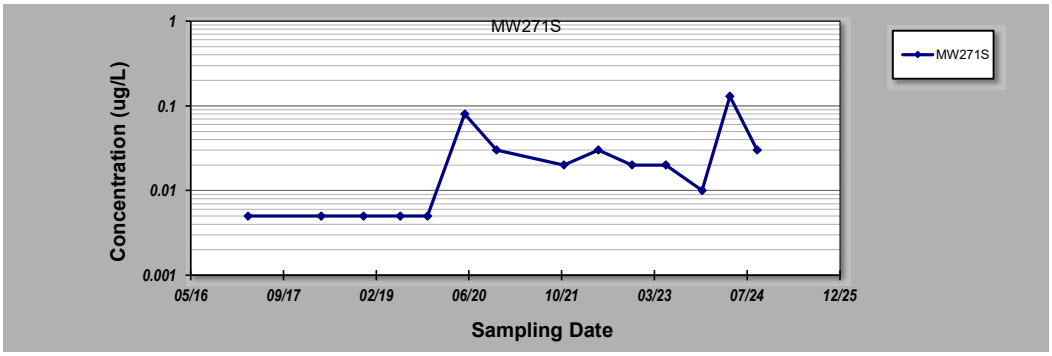
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW271S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	15/03/2017	0.005
2	13/04/2018	0.005
3	28/11/2018	0.005
4	13/06/2019	0.005
5	8/11/2019	0.005
6	26/05/2020	0.08
7	13/11/2020	0.03
8	12/11/2021	0.02
9	16/05/2022	0.03
10	14/11/2022	0.02
11	15/05/2023	0.02
12	27/11/2023	0.01
13	24/04/2024	0.13
14	19/09/2024	0.03
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.25
Mann-Kendall Statistic (S):		39
Confidence Factor:		98.2%
Concentration Trend:		Increasing



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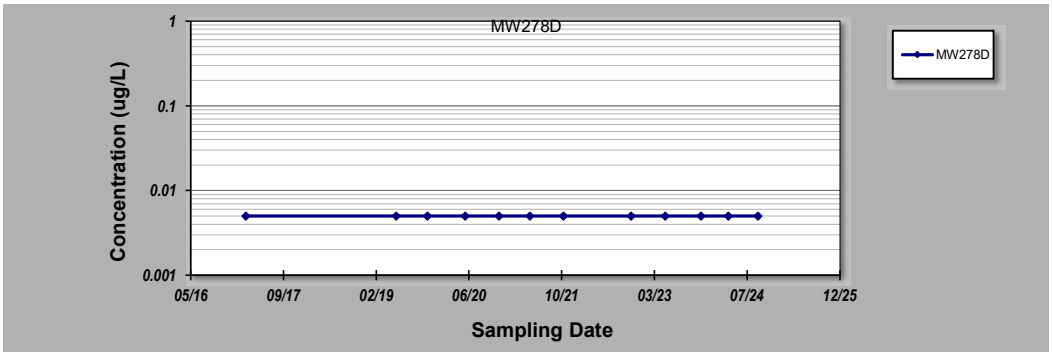
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW278D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	3/03/2017	0.005
2	23/05/2019	0.005
3	7/11/2019	0.005
4	28/05/2020	0.005
5	27/11/2020	0.005
6	13/05/2021	0.005
7	9/11/2021	0.005
8	9/11/2022	0.005
9	11/05/2023	0.005
10	21/11/2023	0.005
11	16/04/2024	0.005
12	23/09/2024	0.005
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.3%
Concentration Trend:		NA



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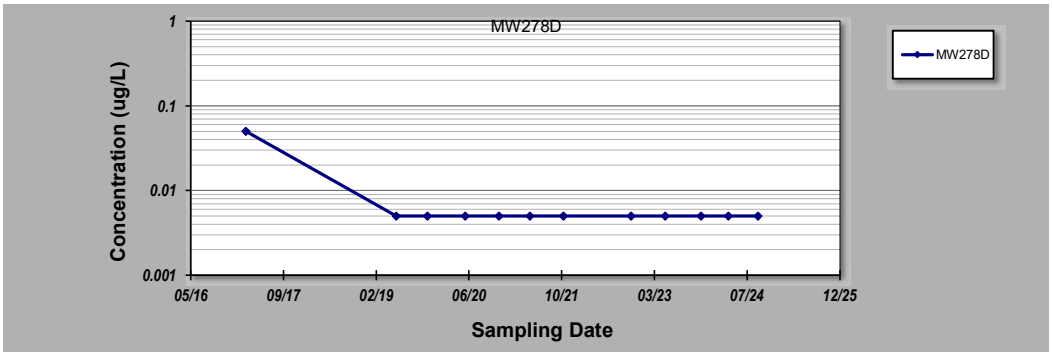
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW278D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	3/03/2017	0.05
2	23/05/2019	0.005
3	7/11/2019	0.005
4	28/05/2020	0.005
5	27/11/2020	0.005
6	13/05/2021	0.005
7	9/11/2021	0.005
8	9/11/2022	0.005
9	11/05/2023	0.005
10	21/11/2023	0.005
11	16/04/2024	0.005
12	23/09/2024	0.005
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.48
Mann-Kendall Statistic (S):		-11
Confidence Factor:		74.9%
Concentration Trend:		NA



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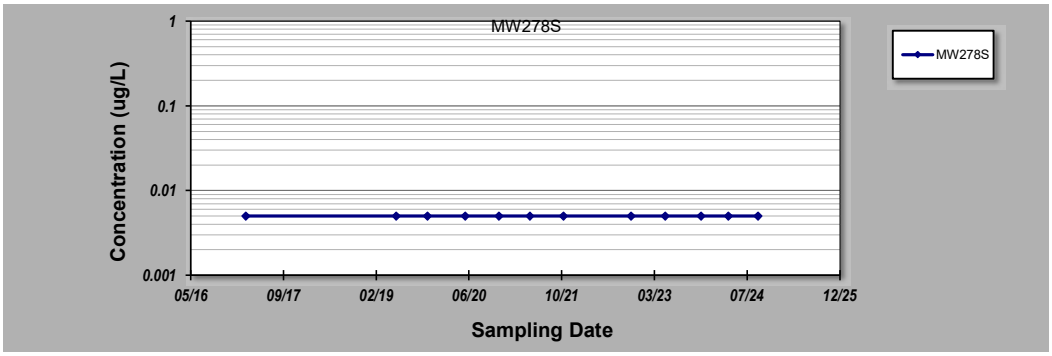
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW278S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	3/03/2017	0.005
2	23/05/2019	0.005
3	7/11/2019	0.005
4	28/05/2020	0.005
5	27/11/2020	0.005
6	13/05/2021	0.005
7	9/11/2021	0.005
8	9/11/2022	0.005
9	11/05/2023	0.005
10	21/11/2023	0.005
11	16/04/2024	0.005
12	23/09/2024	0.005
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.00
Mann-Kendall Statistic (S):		0
Confidence Factor:		47.3%
Concentration Trend:		NA



Notes:

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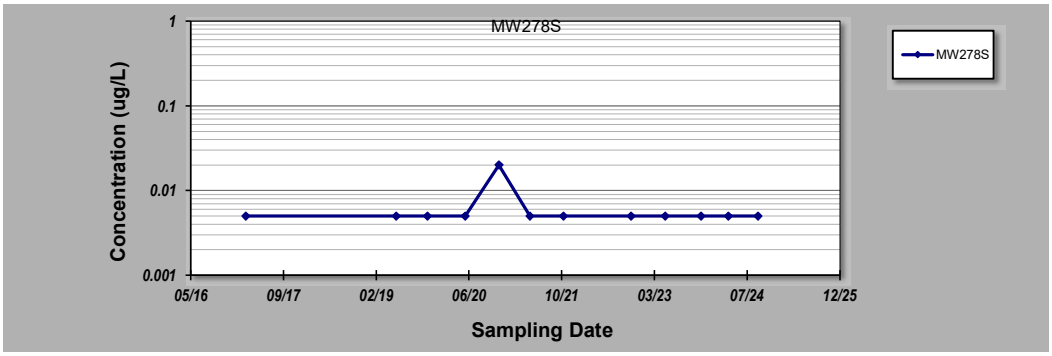
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW278S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	3/03/2017	0.005
2	23/05/2019	0.005
3	7/11/2019	0.005
4	28/05/2020	0.005
5	27/11/2020	0.02
6	13/05/2021	0.005
7	9/11/2021	0.005
8	9/11/2022	0.005
9	11/05/2023	0.005
10	21/11/2023	0.005
11	16/04/2024	0.005
12	23/09/2024	0.005
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.69
Mann-Kendall Statistic (S):		-3
Confidence Factor:		55.4%
Concentration Trend:		NA



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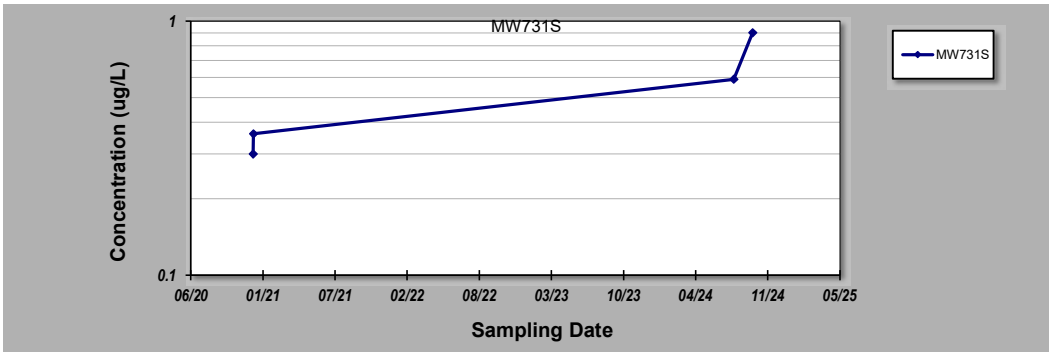
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW731S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	8/12/2020	0.3
2	9/12/2020	0.36
3	2/08/2024	0.59
4	23/09/2024	0.9
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.51
Mann-Kendall Statistic (S):		6
Confidence Factor:		95.8%
Concentration Trend:		Increasing



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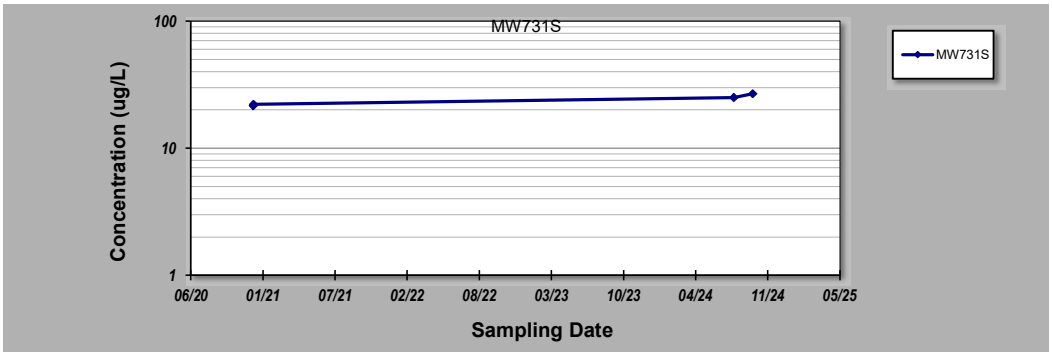
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW731S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	8/12/2020	21.6
2	9/12/2020	22.1
3	2/08/2024	25
4	23/09/2024	26.8
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.10
Mann-Kendall Statistic (S):		6
Confidence Factor:		95.8%
Concentration Trend:		Increasing



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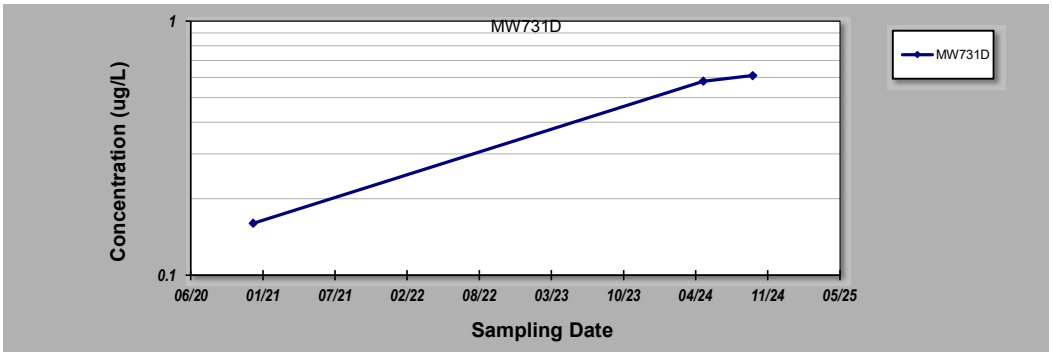
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW731D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	8/12/2020	0.16
2	9/05/2024	0.58
3	23/09/2024	0.61
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.56
Mann-Kendall Statistic (S):		3
Confidence Factor:		
Concentration Trend:		NA



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Primary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW731D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	8/12/2020	5.22
2	9/05/2024	20.9
3	23/09/2024	23.5
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
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16		
17		
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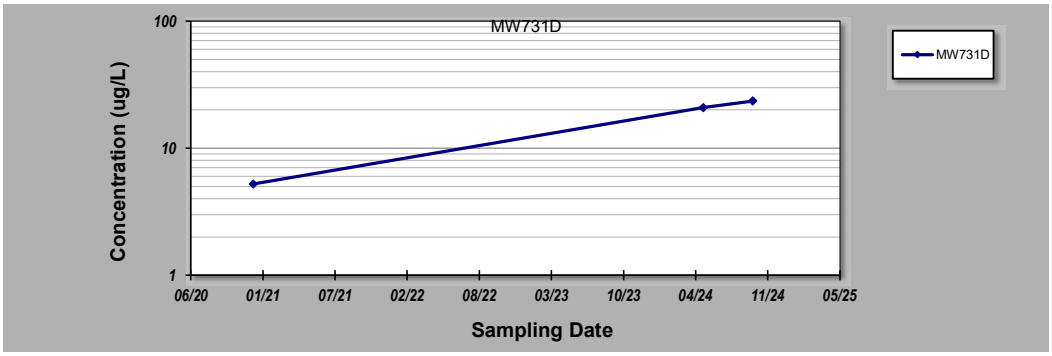
19		
20		
Coefficient of Variation:		0.60
Mann-Kendall Statistic (S):		3
Confidence Factor:		
Concentration Trend:		NA



Notes:

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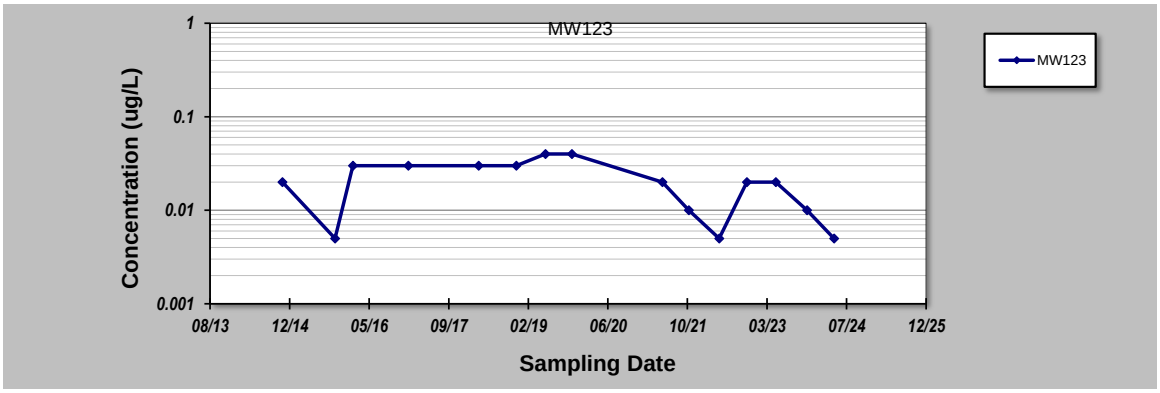
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW123

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	12/11/2014	0.02
2	8/10/2015	0.005
3	29/01/2016	0.03
4	11/01/2017	0.03
5	28/03/2018	0.03
6	20/11/2018	0.03
7	23/05/2019	0.04
8	5/11/2019	0.04
9	26/05/2021	0.02
10	9/11/2021	0.01
11	18/05/2022	0.005
12	8/11/2022	0.02
13	9/05/2023	0.02
14	21/11/2023	0.01
15	9/05/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		0.58
Mann-Kendall Statistic (S):		-28
Confidence Factor:		90.8%
Concentration Trend:		Prob. Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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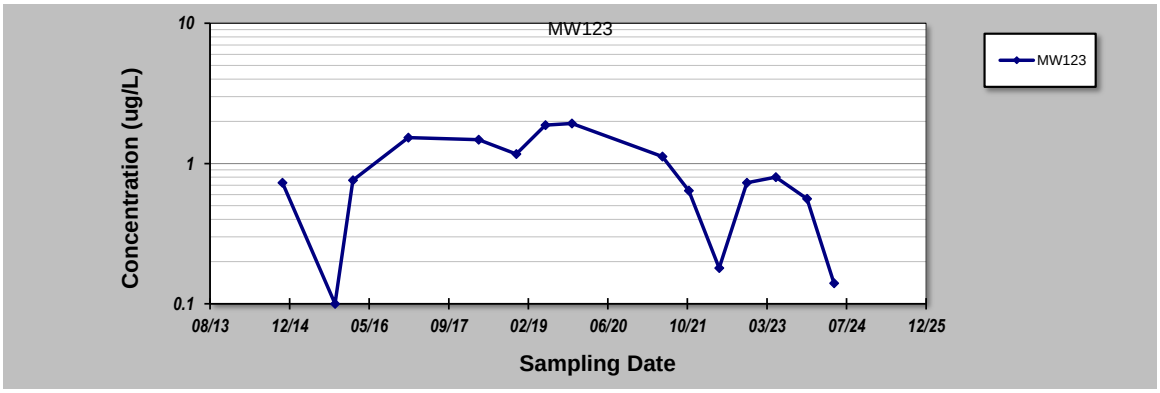
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW123

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	12/11/2014	0.73
2	8/10/2015	0.1
3	29/01/2016	0.76
4	11/01/2017	1.53
5	28/03/2018	1.48
6	20/11/2018	1.17
7	23/05/2019	1.88
8	5/11/2019	1.93
9	26/05/2021	1.12
10	9/11/2021	0.64
11	18/05/2022	0.18
12	8/11/2022	0.73
13	9/05/2023	0.8
14	21/11/2023	0.56
15	9/05/2024	0.14
16		
17		
18		
19		
20		
Coefficient of Variation:		0.64
Mann-Kendall Statistic (S):		-22
Confidence Factor:		84.8%
Concentration Trend:		Stable



Notes:

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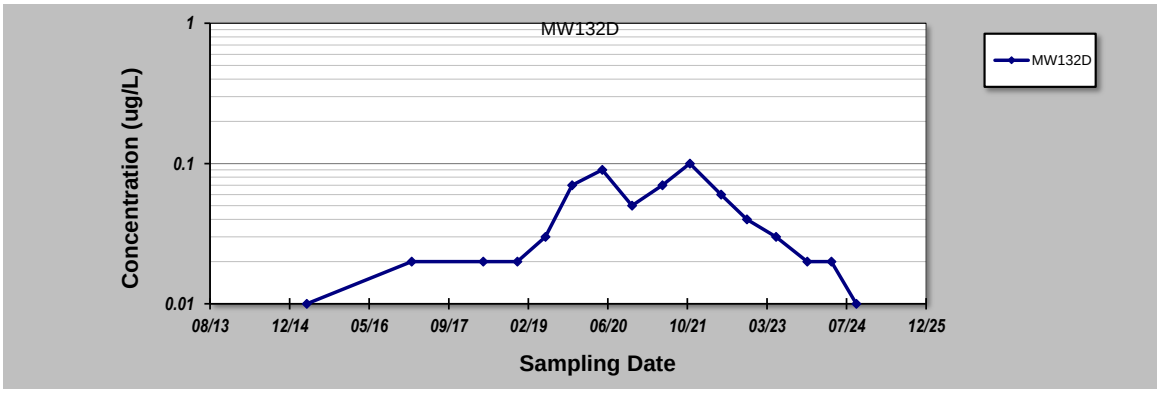
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW132D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	14/04/2015	0.01
2	1/02/2017	0.02
3	27/04/2018	0.02
4	27/11/2018	0.02
5	22/05/2019	0.03
6	6/11/2019	0.07
7	14/05/2020	0.09
8	17/11/2020	0.05
9	27/05/2021	0.07
10	15/11/2021	0.1
11	30/05/2022	0.06
12	8/11/2022	0.04
13	11/05/2023	0.03
14	23/11/2023	0.02
15	22/04/2024	0.02
16	26/09/2024	0.01
17		
18		
19		
20		
Coefficient of Variation:		0.70
Mann-Kendall Statistic (S):		3
Confidence Factor:		53.6%
Concentration Trend:		No Trend



Notes:

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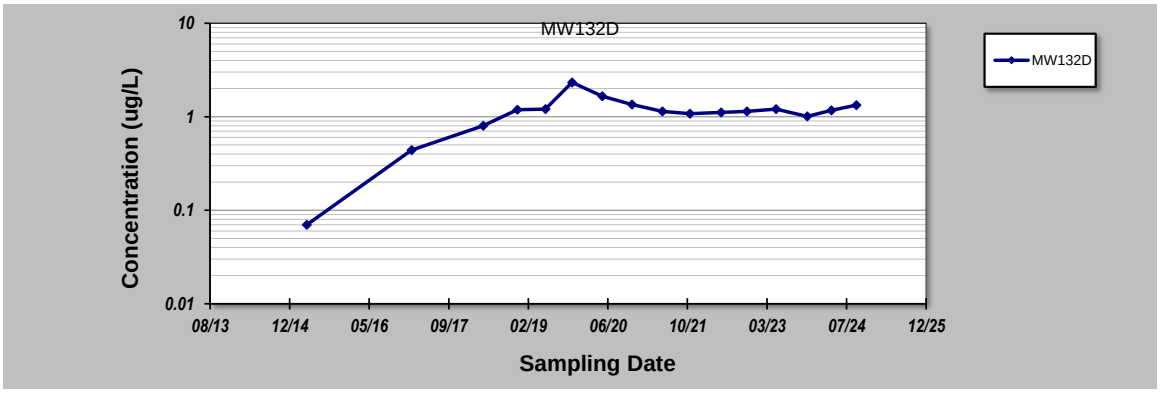
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW132D						
Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)						
1	14/04/2015	0.07						
2	1/02/2017	0.44						
3	27/04/2018	0.8						
4	27/11/2018	1.19						
5	22/05/2019	1.21						
6	6/11/2019	2.33						
7	14/05/2020	1.66						
8	17/11/2020	1.35						
9	27/05/2021	1.14						
10	15/11/2021	1.08						
11	30/05/2022	1.11						
12	8/11/2022	1.14						
13	11/05/2023	1.21						
14	23/11/2023	1.01						
15	22/04/2024	1.17						
16	26/09/2024	1.33						
17								
18								
19								
20								
Coefficient of Variation:		0.43						
Mann-Kendall Statistic (S):		24						
Confidence Factor:		84.7%						
Concentration Trend:		No Trend						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
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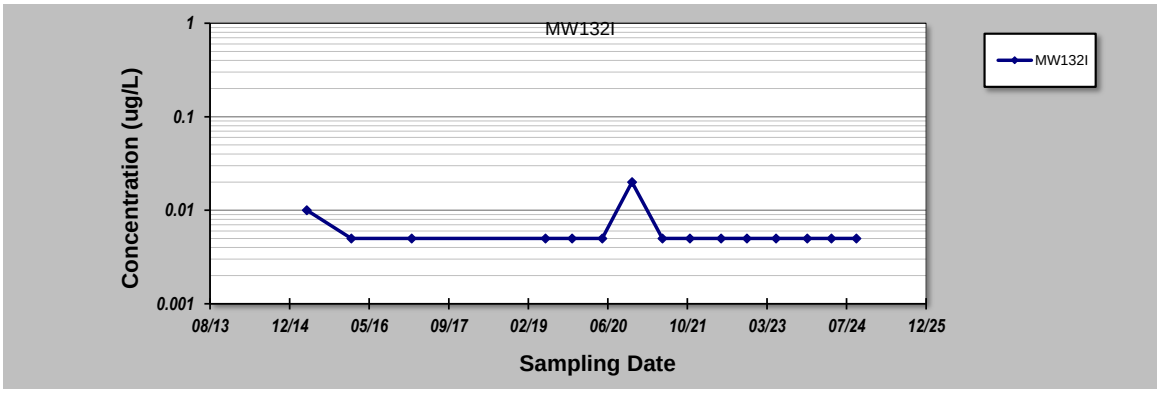
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW132I

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	14/04/2015	0.01
2	18/01/2016	0.005
3	1/02/2017	0.005
4	22/05/2019	0.005
5	6/11/2019	0.005
6	14/05/2020	0.005
7	17/11/2020	0.02
8	27/05/2021	0.005
9	15/11/2021	0.005
10	30/05/2022	0.005
11	8/11/2022	0.005
12	11/05/2023	0.005
13	23/11/2023	0.005
14	22/04/2024	0.005
15	26/09/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		0.63
Mann-Kendall Statistic (S):		-15
Confidence Factor:		75.2%
Concentration Trend:		N/A



Notes:

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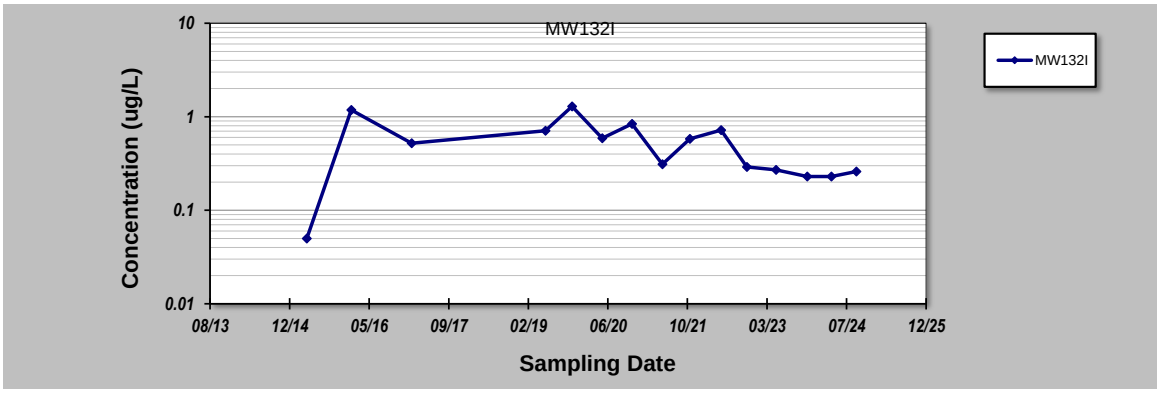
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW132I

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	14/04/2015	0.05
2	18/01/2016	1.18
3	1/02/2017	0.52
4	22/05/2019	0.71
5	6/11/2019	1.29
6	14/05/2020	0.59
7	17/11/2020	0.84
8	27/05/2021	0.31
9	15/11/2021	0.58
10	30/05/2022	0.72
11	8/11/2022	0.29
12	11/05/2023	0.27
13	23/11/2023	0.23
14	22/04/2024	0.23
15	26/09/2024	0.26
16		
17		
18		
19		
20		
Coefficient of Variation:		0.67
Mann-Kendall Statistic (S):		-42
Confidence Factor:		98.0%
Concentration Trend:		Decreasing



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L
Sampling Point ID:	MW161D		

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	26/02/2016	0.005
2	8/02/2017	0.14
3	30/05/2019	0.08
4	21/05/2020	0.06
5	26/05/2021	0.05
6	1/06/2022	0.06
7	11/05/2023	0.05
8	22/04/2024	0.005
9		
10		
11		
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14		
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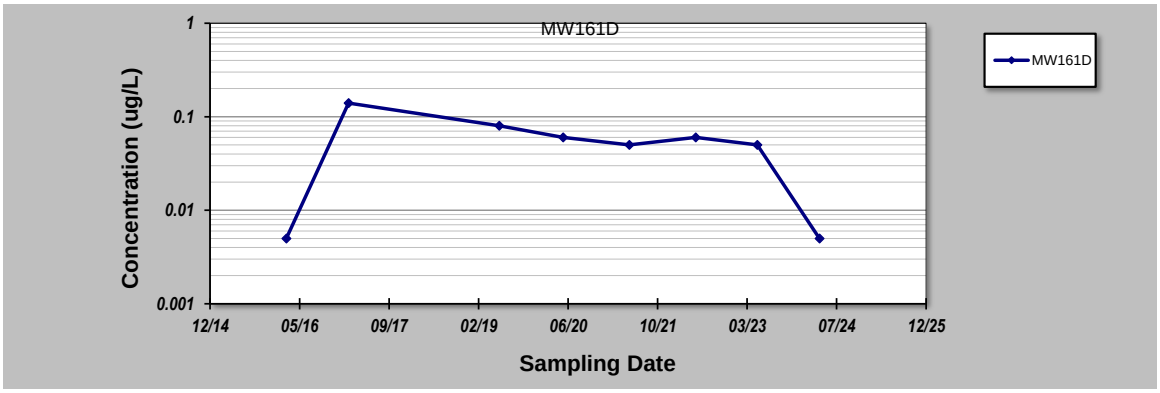
19		
20		
Coefficient of Variation:		0.76
Mann-Kendall Statistic (S):		-11
Confidence Factor:		88.7%
Concentration Trend:		Stable



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW161D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	26/02/2016	0.13
2	8/02/2017	5.58
3	30/05/2019	3.88
4	21/05/2020	3.23
5	26/05/2021	2.46
6	1/06/2022	2.79
7	11/05/2023	2.63
8	22/04/2024	0.005
9		
10		
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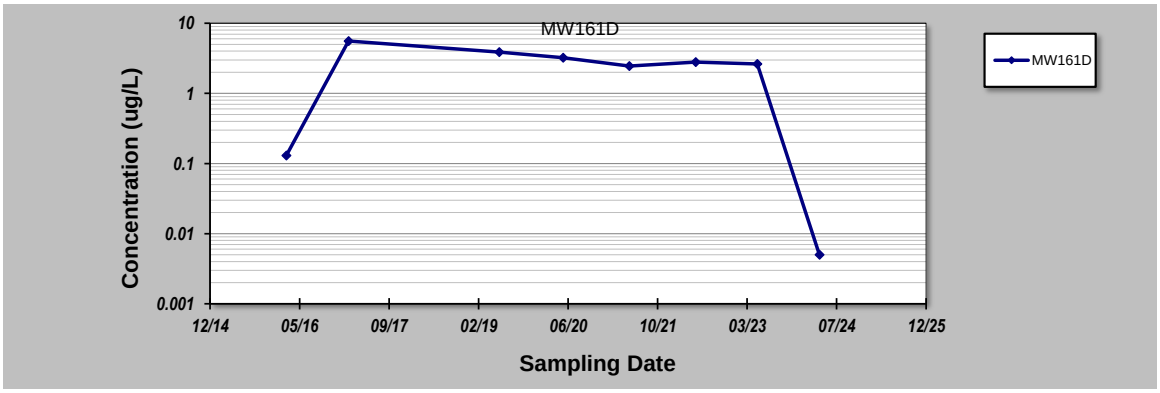
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.71
Mann-Kendall Statistic (S):		-12
Confidence Factor:		91.1%
Concentration Trend:		Prob. Decreasing



Notes:

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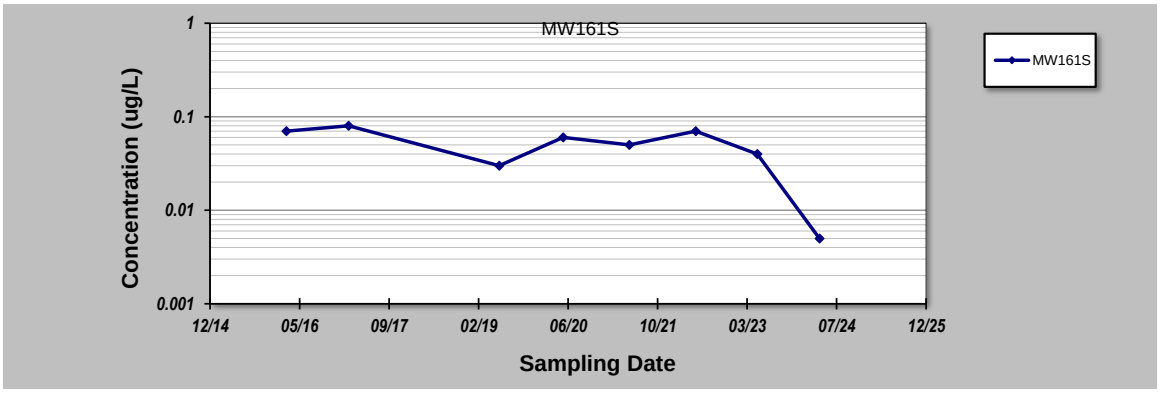
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW161S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	26/02/2016	0.07
2	8/02/2017	0.08
3	30/05/2019	0.03
4	21/05/2020	0.06
5	26/05/2021	0.05
6	1/06/2022	0.07
7	11/05/2023	0.04
8	22/04/2024	0.005
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.49
Mann-Kendall Statistic (S):		-13
Confidence Factor:		92.9%
Concentration Trend:		Prob. Decreasing



Notes:

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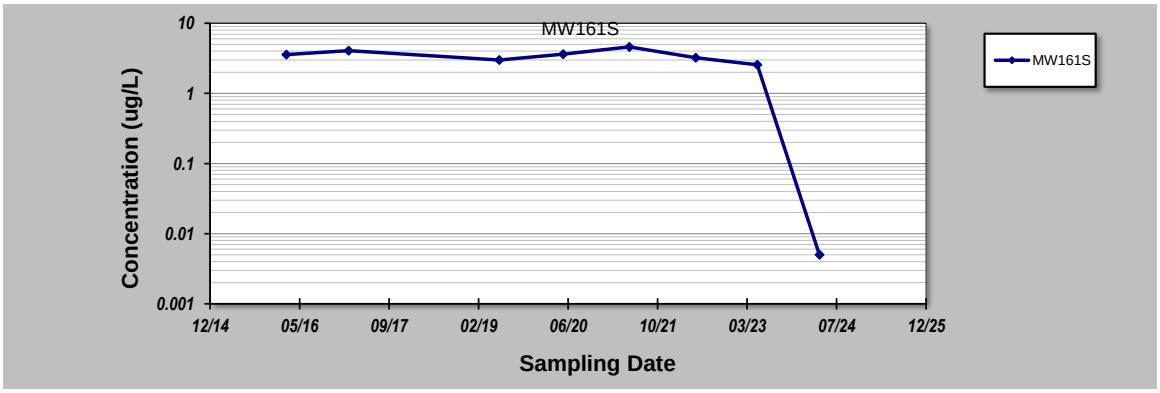
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L
Sampling Point ID:	MW161S		

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	26/02/2016	3.58
2	8/02/2017	4.06
3	30/05/2019	3
4	21/05/2020	3.61
5	26/05/2021	4.6
6	1/06/2022	3.23
7	11/05/2023	2.56
8	22/04/2024	0.005
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.45
Mann-Kendall Statistic (S):		-12
Confidence Factor:		91.1%
Concentration Trend:		Prob. Decreasing



Notes:

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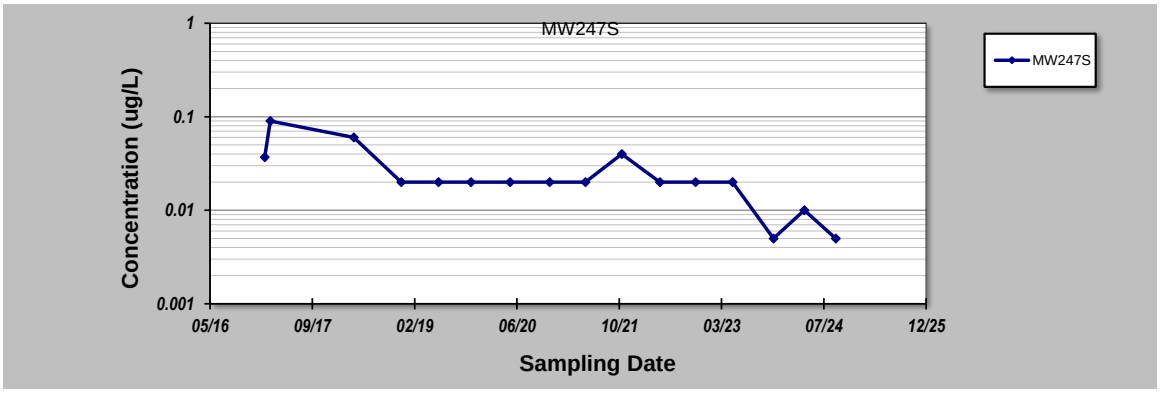
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW247S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	1/02/2017	0.037
2	28/02/2017	0.09
3	12/04/2018	0.06
4	30/11/2018	0.02
5	31/05/2019	0.02
6	6/11/2019	0.02
7	15/05/2020	0.02
8	24/11/2020	0.02
9	18/05/2021	0.02
10	12/11/2021	0.04
11	18/05/2022	0.02
12	8/11/2022	0.02
13	8/05/2023	0.02
14	24/11/2023	0.005
15	22/04/2024	0.01
16	23/09/2024	0.005
17		
18		
19		
20		
Coefficient of Variation:		0.81
Mann-Kendall Statistic (S):		-63
Confidence Factor:		99.8%
Concentration Trend:		Decreasing



Notes:

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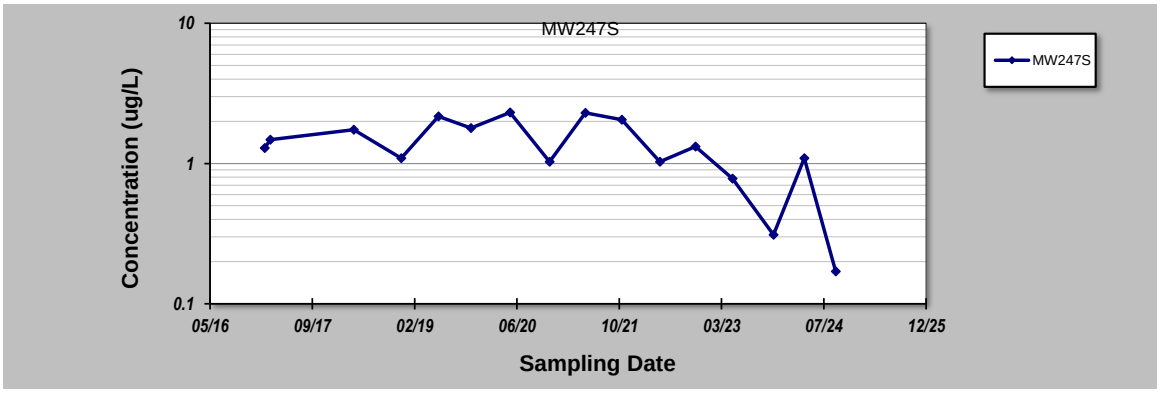
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW247S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	1/02/2017	1.29
2	28/02/2017	1.48
3	12/04/2018	1.74
4	30/11/2018	1.09
5	31/05/2019	2.17
6	6/11/2019	1.79
7	15/05/2020	2.31
8	24/11/2020	1.03
9	18/05/2021	2.3
10	12/11/2021	2.05
11	18/05/2022	1.03
12	8/11/2022	1.32
13	8/05/2023	0.78
14	24/11/2023	0.31
15	22/04/2024	1.09
16	23/09/2024	0.17
17		
18		
19		
20		
Coefficient of Variation:		0.48
Mann-Kendall Statistic (S):		-42
Confidence Factor:		96.8%
Concentration Trend:		Decreasing



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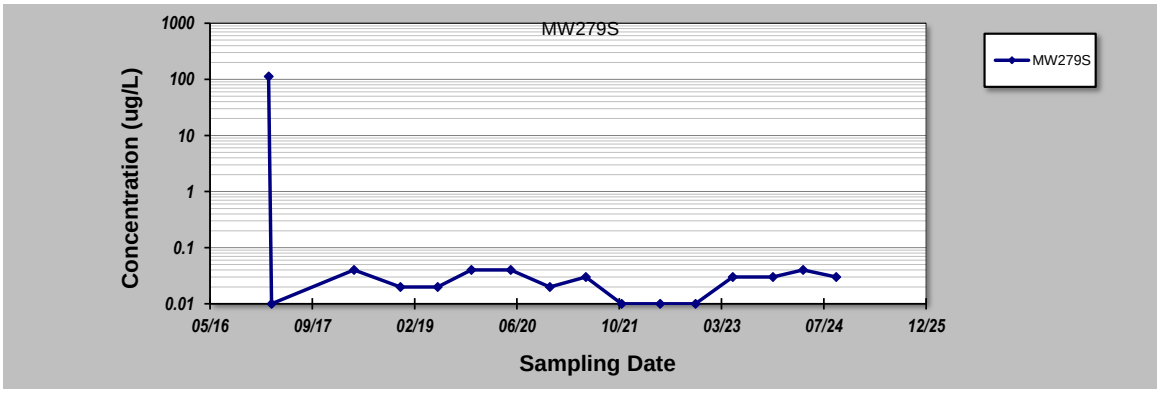
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L
Sampling Point ID:	MW279S		

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	20/02/2017	113
2	6/03/2017	0.01
3	13/04/2018	0.04
4	26/11/2018	0.02
5	27/05/2019	0.02
6	8/11/2019	0.04
7	18/05/2020	0.04
8	25/11/2020	0.02
9	20/05/2021	0.03
10	11/11/2021	0.01
11	19/05/2022	0.01
12	7/11/2022	0.01
13	9/05/2023	0.03
14	21/11/2023	0.03
15	16/04/2024	0.04
16	25/09/2024	0.03
17		
18		
19		
20		
Coefficient of Variation:		3.99
Mann-Kendall Statistic (S):		-9
Confidence Factor:		63.9%
Concentration Trend:		No Trend



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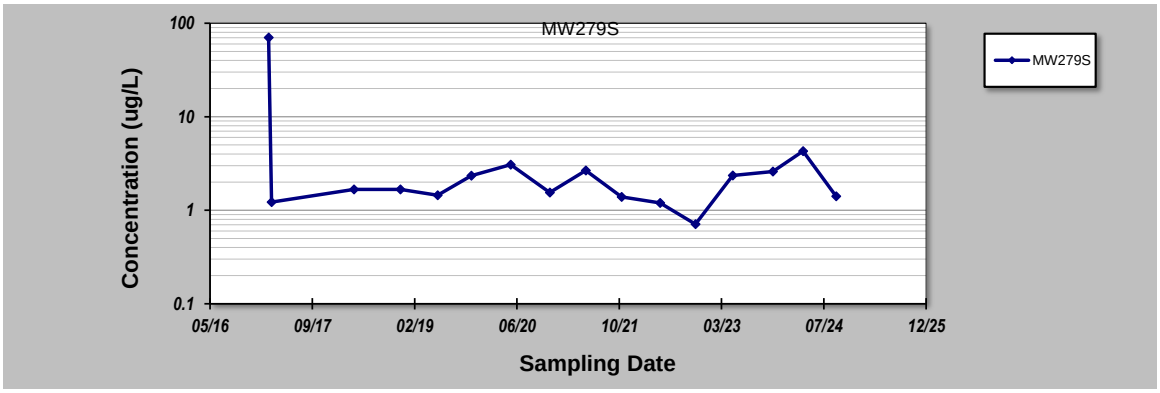
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Secondary Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW279S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	20/02/2017	70.3
2	6/03/2017	1.22
3	13/04/2018	1.67
4	26/11/2018	1.67
5	27/05/2019	1.45
6	8/11/2019	2.34
7	18/05/2020	3.08
8	25/11/2020	1.55
9	20/05/2021	2.67
10	11/11/2021	1.39
11	19/05/2022	1.2
12	7/11/2022	0.71
13	9/05/2023	2.36
14	21/11/2023	2.6
15	16/04/2024	4.3
16	25/09/2024	1.41
17		
18		
19		
20		
Coefficient of Variation:		2.74
Mann-Kendall Statistic (S):		-5
Confidence Factor:		57.1%
Concentration Trend:		No Trend



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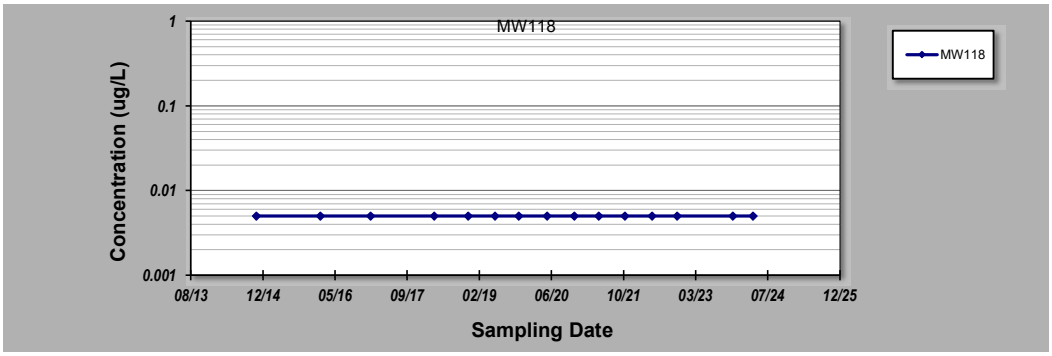
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW118

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	12/11/2014	0.005
2	29/01/2016	0.005
3	11/01/2017	0.005
4	28/03/2018	0.005
5	19/11/2018	0.005
6	24/05/2019	0.005
7	5/11/2019	0.005
8	19/05/2020	0.005
9	23/11/2020	0.005
10	13/05/2021	0.005
11	9/11/2021	0.005
12	17/05/2022	0.005
13	7/11/2022	0.005
14	28/11/2023	0.005
15	16/04/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		3.10
Mann-Kendall Statistic (S):		15
Confidence Factor:		73.3%
Concentration Trend:		N/A



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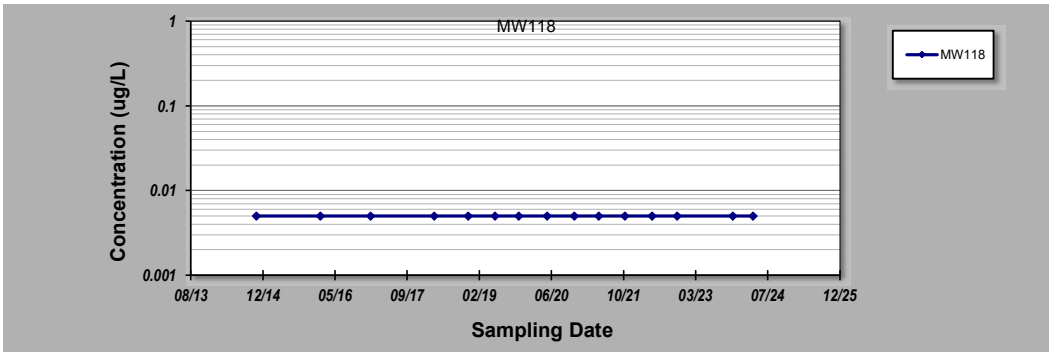
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW118

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	12/11/2014	0.005
2	29/01/2016	0.005
3	11/01/2017	0.005
4	28/03/2018	0.005
5	19/11/2018	0.005
6	24/05/2019	0.005
7	5/11/2019	0.005
8	19/05/2020	0.005
9	23/11/2020	0.005
10	13/05/2021	0.005
11	9/11/2021	0.005
12	17/05/2022	0.005
13	7/11/2022	0.005
14	28/11/2023	0.005
15	16/04/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		3.10
Mann-Kendall Statistic (S):		15
Confidence Factor:		73.3%
Concentration Trend:		N/A



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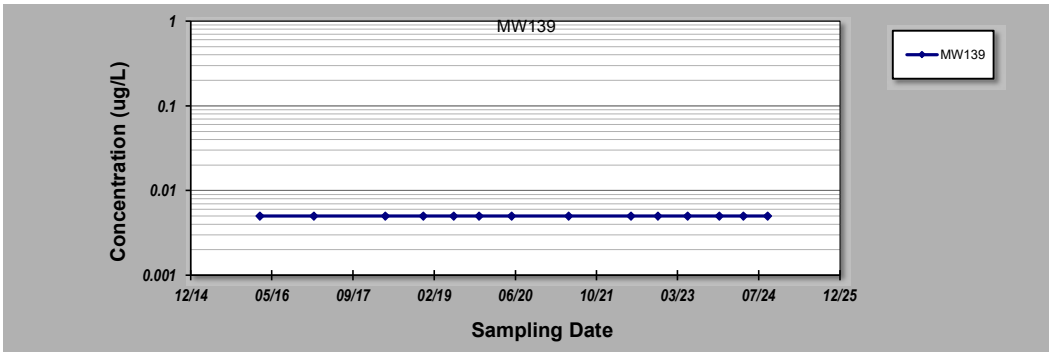
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW139

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	26/02/2016	0.005
2	23/01/2017	0.005
3	9/04/2018	0.005
4	28/11/2018	0.005
5	4/06/2019	0.005
6	8/11/2019	0.005
7	26/05/2020	0.005
8	12/05/2021	0.005
9	31/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	23/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		3.04
Mann-Kendall Statistic (S):		14
Confidence Factor:		73.7%
Concentration Trend:		N/A



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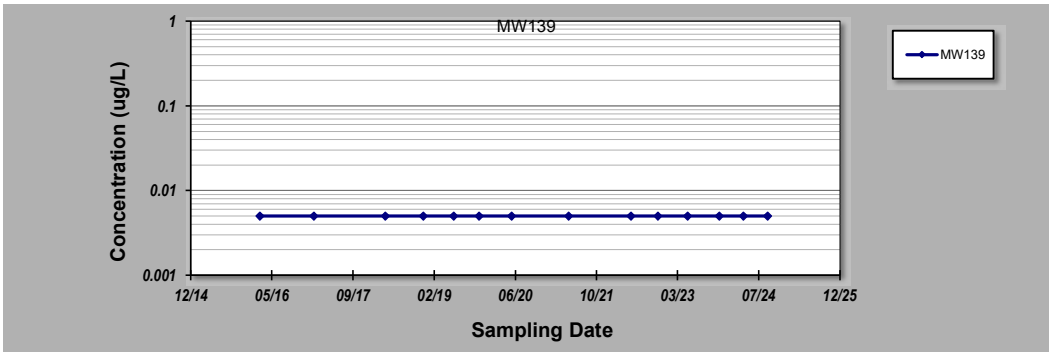
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW139

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	26/02/2016	0.005
2	23/01/2017	0.005
3	9/04/2018	0.005
4	28/11/2018	0.005
5	4/06/2019	0.005
6	8/11/2019	0.005
7	26/05/2020	0.005
8	12/05/2021	0.005
9	31/05/2022	0.005
10	14/11/2022	0.005
11	15/05/2023	0.005
12	27/11/2023	0.005
13	23/04/2024	0.005
14	19/09/2024	0.005
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		3.04
Mann-Kendall Statistic (S):		14
Confidence Factor:		73.7%
Concentration Trend:		N/A



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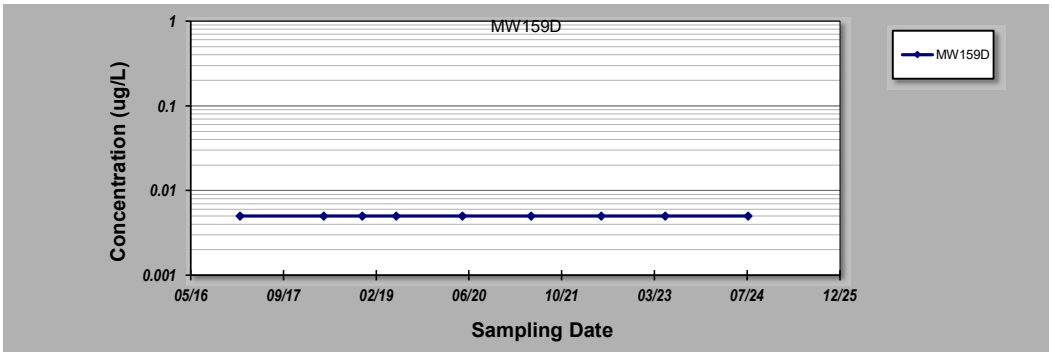
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOA
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID:	MW159D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	31/01/2017	0.005
2	27/04/2018	0.005
3	21/11/2018	0.005
4	23/05/2019	0.005
5	14/05/2020	0.005
6	19/05/2021	0.005
7	1/06/2022	0.005
8	11/05/2023	0.005
9	31/07/2024	0.005
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		2.68
Mann-Kendall Statistic (S):		9
Confidence Factor:		75.8%
Concentration Trend:		N/A



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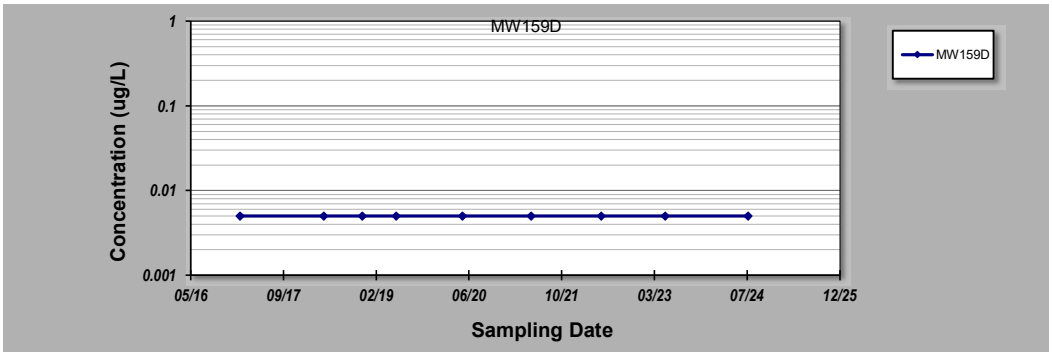
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW159D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	31/01/2017	0.005
2	27/04/2018	0.005
3	21/11/2018	0.005
4	23/05/2019	0.005
5	14/05/2020	0.005
6	19/05/2021	0.005
7	1/06/2022	0.005
8	11/05/2023	0.005
9	31/07/2024	0.005
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		2.68
Mann-Kendall Statistic (S):		9
Confidence Factor:		75.8%
Concentration Trend:		N/A



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOA
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW159S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	9/02/2016	0.005
2	31/01/2017	0.005
3	27/04/2018	0.005
4	21/11/2018	0.005
5	23/05/2019	0.005
6	14/05/2020	0.005
7	19/05/2021	0.005
8	1/06/2022	0.005
9	11/05/2023	0.005
10	31/07/2024	0.005
11		
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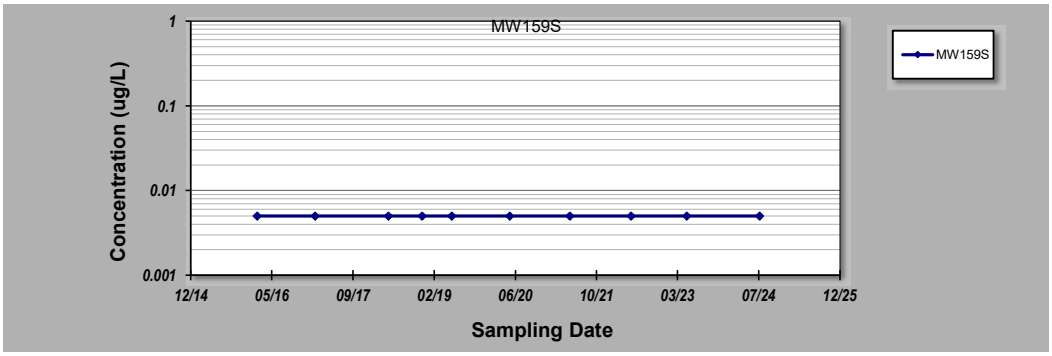
20		
Coefficient of Variation:		2.76
Mann-Kendall Statistic (S):		10
Confidence Factor:		75.3%
Concentration Trend:		N/A



Notes:

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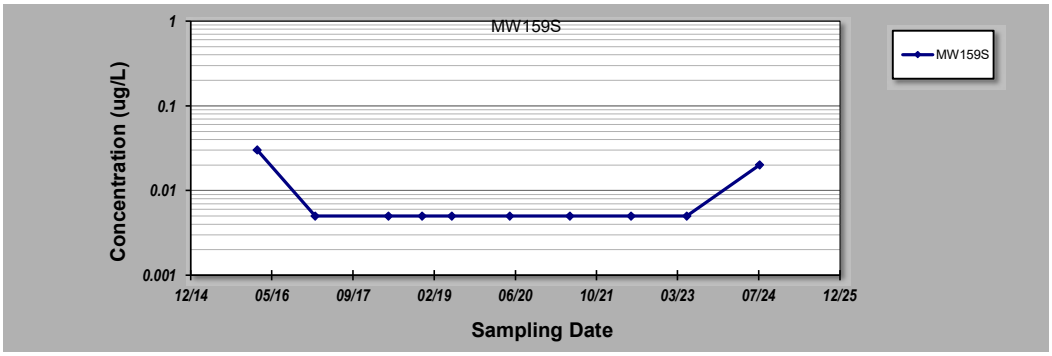
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW159S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	9/02/2016	0.03
2	31/01/2017	0.005
3	27/04/2018	0.005
4	21/11/2018	0.005
5	23/05/2019	0.005
6	14/05/2020	0.005
7	19/05/2021	0.005
8	1/06/2022	0.005
9	11/05/2023	0.005
10	31/07/2024	0.02
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		2.44
Mann-Kendall Statistic (S):		9
Confidence Factor:		72.9%
Concentration Trend:		N/A



Notes:

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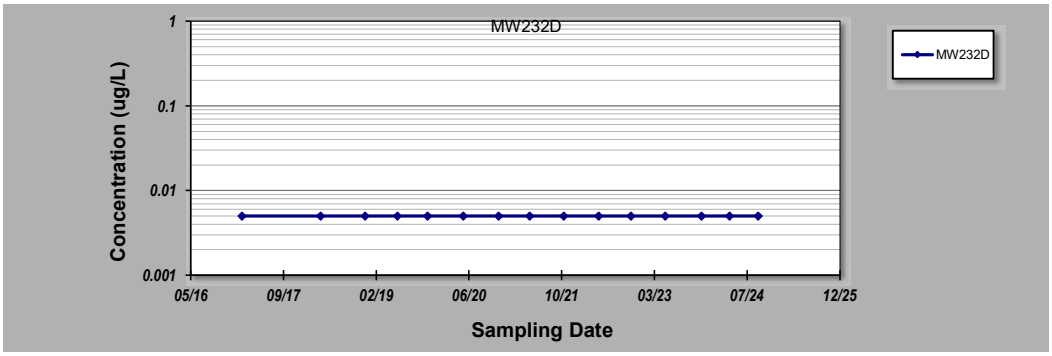
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOA
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW232D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	10/02/2017	0.005
2	10/04/2018	0.005
3	6/12/2018	0.005
4	29/05/2019	0.005
5	8/11/2019	0.005
6	18/05/2020	0.005
7	25/11/2020	0.005
8	12/05/2021	0.005
9	11/11/2021	0.005
10	18/05/2022	0.005
11	8/11/2022	0.005
12	11/05/2023	0.005
13	24/11/2023	0.005
14	22/04/2024	0.005
15	24/09/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		3.10
Mann-Kendall Statistic (S):		15
Confidence Factor:		73.3%
Concentration Trend:		N/A



Notes:

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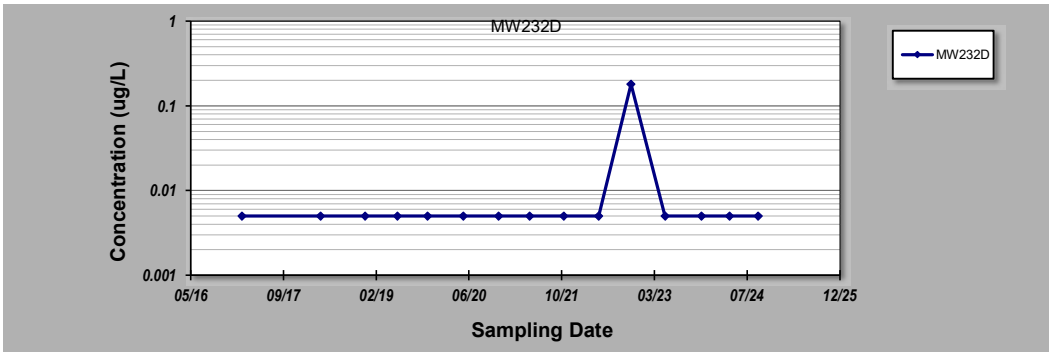
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW232D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	10/02/2017	0.005
2	10/04/2018	0.005
3	6/12/2018	0.005
4	29/05/2019	0.005
5	8/11/2019	0.005
6	18/05/2020	0.005
7	25/11/2020	0.005
8	12/05/2021	0.005
9	11/11/2021	0.005
10	18/05/2022	0.005
11	8/11/2022	0.18
12	11/05/2023	0.005
13	24/11/2023	0.005
14	22/04/2024	0.005
15	24/09/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		2.38
Mann-Kendall Statistic (S):		21
Confidence Factor:		81.3%
Concentration Trend:		N/A



Notes:

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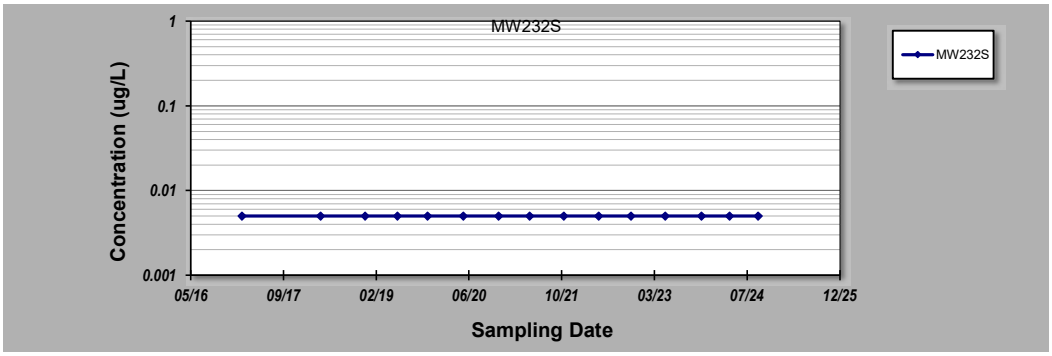
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOA
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW232S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	10/02/2017	0.005
2	10/04/2018	0.005
3	6/12/2018	0.005
4	29/05/2019	0.005
5	8/11/2019	0.005
6	18/05/2020	0.005
7	25/11/2020	0.005
8	12/05/2021	0.005
9	11/11/2021	0.005
10	18/05/2022	0.005
11	8/11/2022	0.005
12	11/05/2023	0.005
13	24/11/2023	0.005
14	22/04/2024	0.005
15	24/09/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		3.10
Mann-Kendall Statistic (S):		15
Confidence Factor:		73.3%
Concentration Trend:		N/A



Notes:

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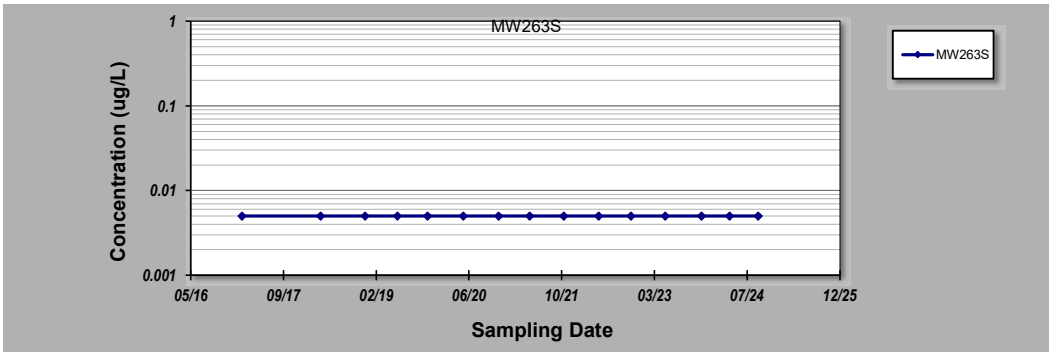
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	NT/JR	Concentration Units:	ug/L

Sampling Point ID: MW263S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	10/02/2017	0.005
2	10/04/2018	0.005
3	6/12/2018	0.005
4	29/05/2019	0.005
5	8/11/2019	0.005
6	18/05/2020	0.005
7	25/11/2020	0.005
8	12/05/2021	0.005
9	11/11/2021	0.005
10	18/05/2022	0.005
11	8/11/2022	0.005
12	11/05/2023	0.005
13	24/11/2023	0.005
14	22/04/2024	0.005
15	24/09/2024	0.005
16		
17		
18		
19		
20		
Coefficient of Variation:		3.10
Mann-Kendall Statistic (S):		15
Confidence Factor:		73.3%
Concentration Trend:		N/A



Notes:

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for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: POT144

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	6/11/2015	0.005
2	30/01/2017	0.005
3	18/04/2018	0.005
4	4/06/2019	0.005
5	27/05/2020	0.005
6	13/05/2021	0.005
7	16/05/2022	0.005
8	17/05/2023	0.005
9	9/05/2024	0.005
10		
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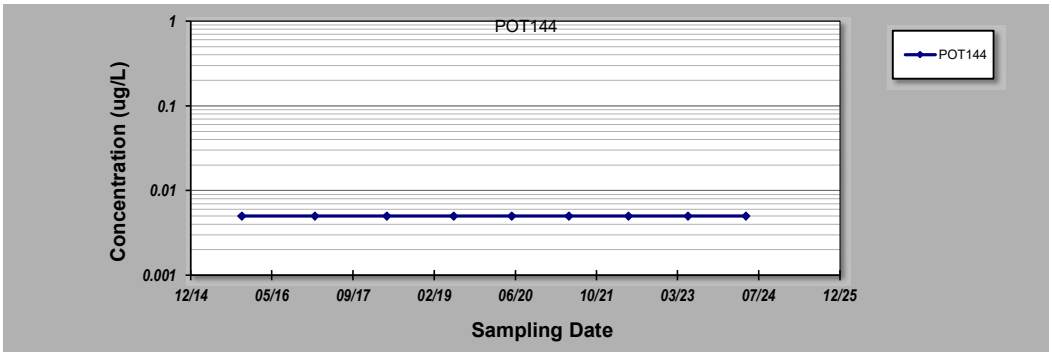
19		
20		
Coefficient of Variation:		2.68
Mann-Kendall Statistic (S):		9
Confidence Factor:		75.8%
Concentration Trend:		N/A



Notes:

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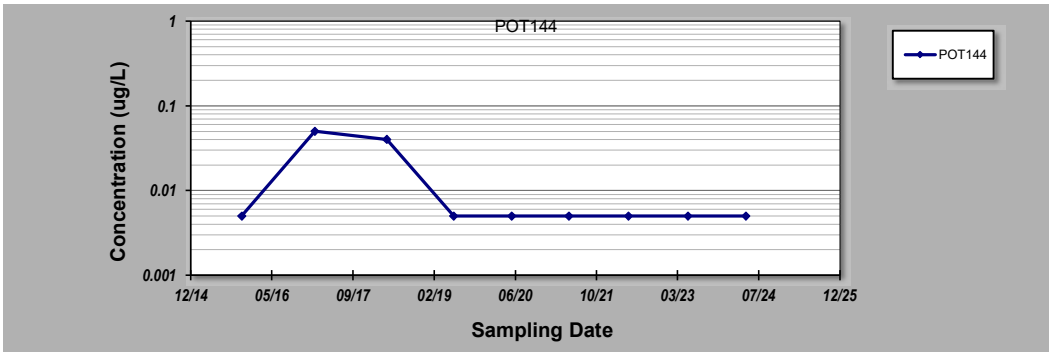
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	Broader Management Zone	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: POT144

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	6/11/2015	0.005
2	30/01/2017	0.05
3	18/04/2018	0.04
4	4/06/2019	0.005
5	27/05/2020	0.005
6	13/05/2021	0.005
7	16/05/2022	0.005
8	17/05/2023	0.005
9	9/05/2024	0.005
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		2.12
Mann-Kendall Statistic (S):		-2
Confidence Factor:		53.5%
Concentration Trend:		N/A



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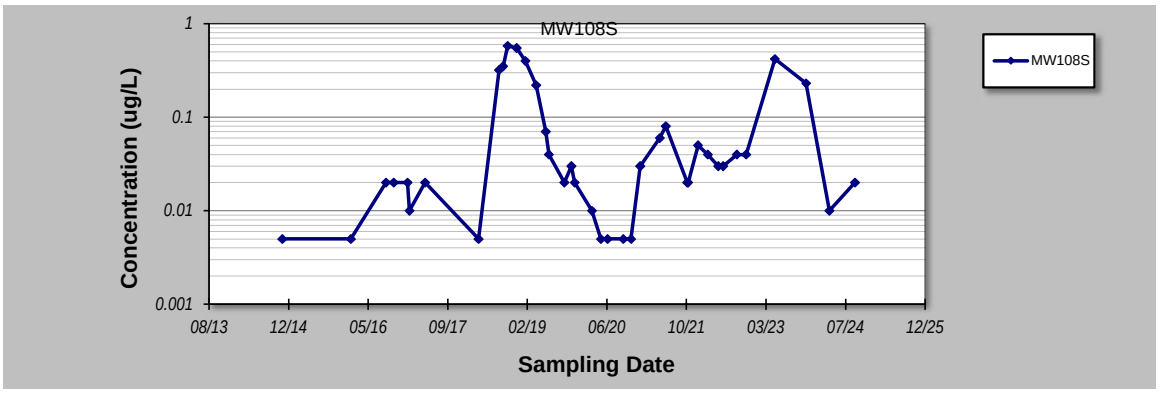
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW108S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	17/11/2014	0.005
2	21/01/2016	0.005
3	29/08/2016	0.02
4	17/10/2016	0.02
5	13/01/2017	0.02
6	24/01/2017	0.01
7	2/05/2017	0.02
8	4/04/2018	0.005
9	9/08/2018	0.32
10	5/09/2018	0.35
11	3/10/2018	0.58
12	29/11/2018	0.55
13	22/01/2019	0.4
14	1/04/2019	0.22
15	31/05/2019	0.07
16	20/06/2019	0.04
17	24/09/2019	0.02
18	8/11/2019	0.03
19	28/11/2019	0.02
20	16/03/2020	0.01
21	11/05/2020	0.005
22	22/06/2020	0.005
23	30/09/2020	0.005
24	17/11/2020	0.005
25	13/01/2021	0.03
26	17/05/2021	0.06
27	23/06/2021	0.08
28	5/11/2021	0.02
29	10/11/2021	0.02
30	12/01/2022	0.05
31	14/03/2022	0.04
32	19/05/2022	0.03
33	20/06/2022	0.03
34	12/09/2022	0.04
35	10/11/2022	0.04
36	10/05/2023	0.42
37	22/11/2023	0.23
38	17/04/2024	0.01
39	24/09/2024	0.02
40		
Coefficient of Variation:		1.60
Mann-Kendall Statistic (S):		67
Confidence Factor:		78.6%
Concentration Trend:		No Trend



Notes:

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2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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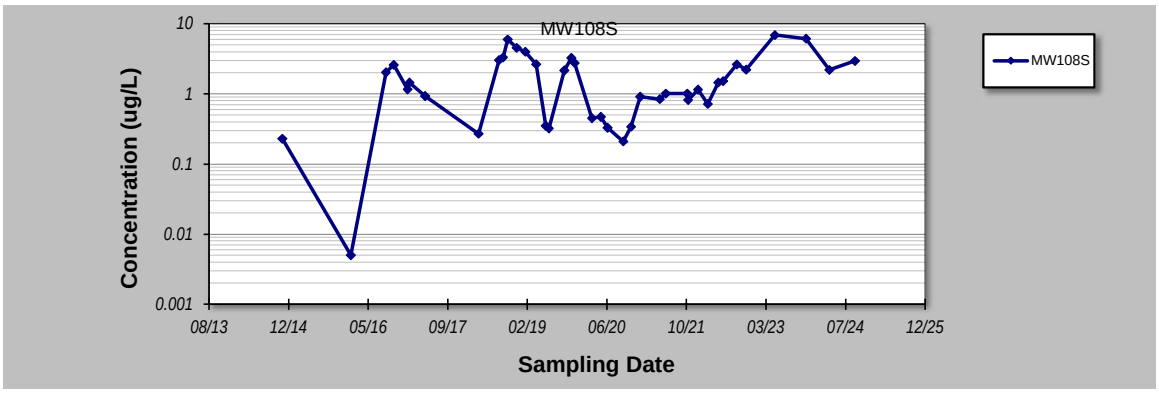
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW108S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	17/11/2014	0.23
2	21/01/2016	0.005
3	29/08/2016	2.03
4	17/10/2016	2.6
5	13/01/2017	1.16
6	24/01/2017	1.45
7	2/05/2017	0.93
8	4/04/2018	0.27
9	9/08/2018	3.03
10	5/09/2018	3.31
11	3/10/2018	5.95
12	29/11/2018	4.53
13	22/01/2019	3.98
14	1/04/2019	2.65
15	31/05/2019	0.35
16	20/06/2019	0.32
17	24/09/2019	2.15
18	8/11/2019	3.25
19	28/11/2019	2.75
20	16/03/2020	0.45
21	11/05/2020	0.47
22	22/06/2020	0.33
23	30/09/2020	0.21
24	17/11/2020	0.34
25	13/01/2021	0.91
26	17/05/2021	0.84
27	23/06/2021	1.01
28	5/11/2021	1.01
29	10/11/2021	0.82
30	12/01/2022	1.15
31	14/03/2022	0.72
32	19/05/2022	1.45
33	20/06/2022	1.52
34	12/09/2022	2.63
35	10/11/2022	2.21
36	10/05/2023	6.89
37	22/11/2023	6.14
38	17/04/2024	2.2
39	24/09/2024	2.95
40		
Coefficient of Variation:		0.90
Mann-Kendall Statistic (S):		113
Confidence Factor:		91.2%
Concentration Trend:		Prob. Increasing



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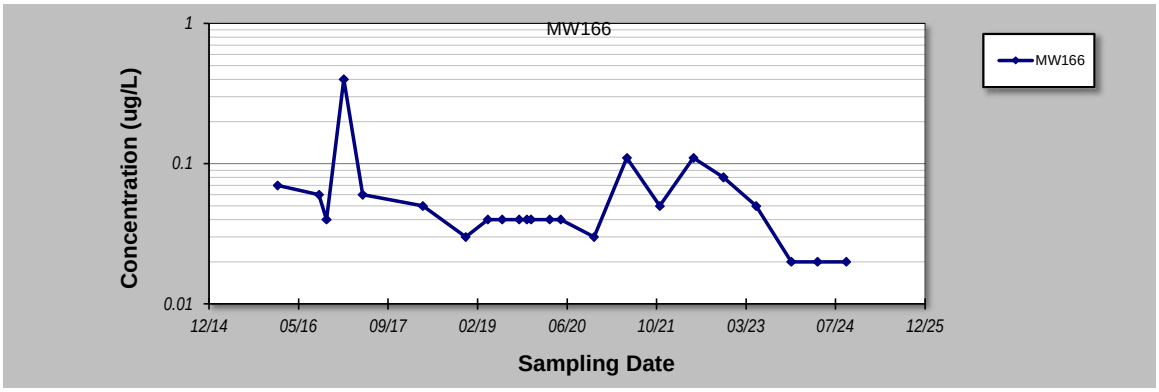
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: **MW166**

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)						
1	13/01/2016	0.07						
2	1/09/2016	0.06						
3	12/10/2016	0.04						
4	17/01/2017	0.4						
5	3/05/2017	0.06						
6	4/04/2018	0.05						
7	29/11/2018	0.03						
8	1/04/2019	0.04						
9	20/06/2019	0.04						
10	24/09/2019	0.04						
11	6/11/2019	0.04						
12	29/11/2019	0.04						
13	13/03/2020	0.04						
14	13/05/2020	0.04						
15	16/11/2020	0.03						
16	18/05/2021	0.11						
17	18/11/2021	0.05						
18	25/05/2022	0.11						
19	9/11/2022	0.08						
20	10/05/2023	0.05						
21	22/11/2023	0.02						
22	17/04/2024	0.02						
23	24/09/2024	0.02						
24								
25								
Coefficient of Variation:		1.20						
Mann-Kendall Statistic (S):		-64						
Confidence Factor:		95.2%						
Concentration Trend:		Decreasing						



Notes:

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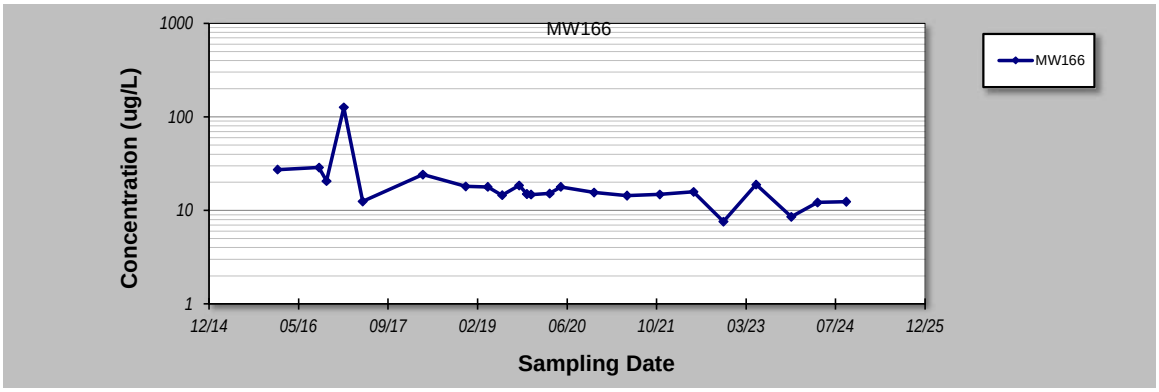
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: **MW166**

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/01/2016	27.4
2	1/09/2016	28.78
3	12/10/2016	20.68
4	17/01/2017	126.2
5	3/05/2017	12.52
6	4/04/2018	24.2
7	29/11/2018	18.1
8	1/04/2019	17.9
9	20/06/2019	14.6
10	24/09/2019	18.5
11	6/11/2019	15
12	29/11/2019	14.8
13	13/03/2020	15.2
14	13/05/2020	17.9
15	16/11/2020	15.6
16	18/05/2021	14.4
17	18/11/2021	14.9
18	25/05/2022	15.8
19	9/11/2022	7.58
20	10/05/2023	18.9
21	22/11/2023	8.56
22	17/04/2024	12.2
23	24/09/2024	12.4
24		
25		
Coefficient of Variation:		1.09
Mann-Kendall Statistic (S):		-124
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



Notes:

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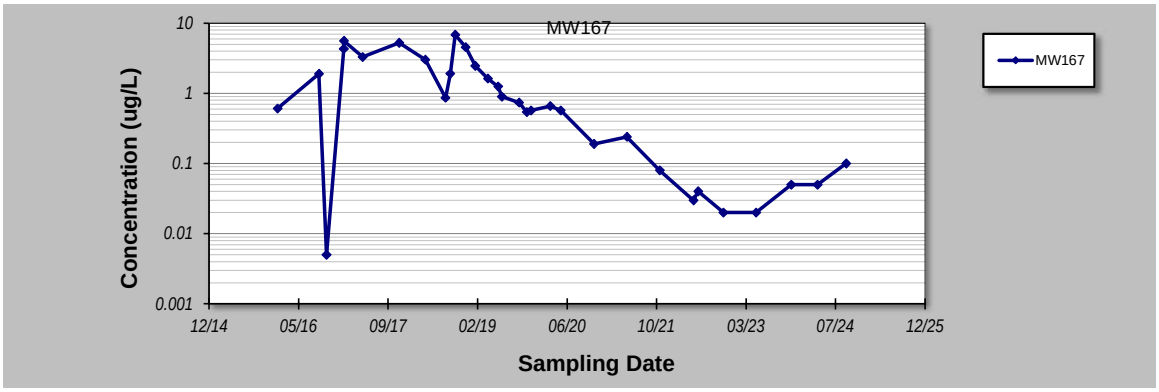
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Nov-24
Facility Name: On Base: FFTA
Conducted By: HB/JR

Job ID: 60569462
Constituent: PFOA
Concentration Units: ug/L

Sampling Point ID: MW167

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	13/01/2016	0.61
2	1/09/2016	1.9
3	12/10/2016	0.005
4	17/01/2017	4.31
5	18/01/2017	5.58
6	3/05/2017	3.3
7	23/11/2017	5.25
8	18/04/2018	3.02
9	8/08/2018	0.87
10	4/09/2018	1.91
11	2/10/2018	6.85
12	29/11/2018	4.56
13	22/01/2019	2.46
14	2/04/2019	1.63
15	30/05/2019	1.25
16	19/06/2019	0.9
17	24/09/2019	0.74
18	6/11/2019	0.54
19	29/11/2019	0.57
20	16/03/2020	0.66
21	13/05/2020	0.57
22	16/11/2020	0.19
23	18/05/2021	0.24
24	18/11/2021	0.08
25	25/05/2022	0.03
26	21/06/2022	0.04
27	9/11/2022	0.02
28	10/05/2023	0.02
29	22/11/2023	0.05
30	17/04/2024	0.05
31	24/09/2024	0.1
32		
33		
34		
35		
Coefficient of Variation:		1.24
Mann-Kendall Statistic (S):		-272
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



Notes:

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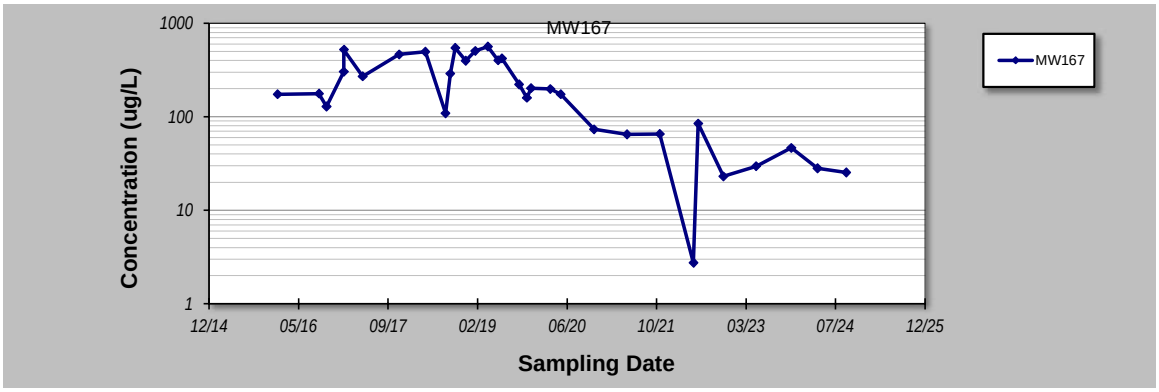
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Nov-24
Facility Name: On Base: FFTA
Conducted By: HB/JR

Job ID: 60569462
Constituent: PFOS+PFHxS
Concentration Units: ug/L

Sampling Point ID: MW167

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/01/2016	174.3
2	1/09/2016	177
3	12/10/2016	129
4	17/01/2017	302.5
5	18/01/2017	522.5
6	3/05/2017	271
7	23/11/2017	464
8	18/04/2018	496
9	8/08/2018	109
10	4/09/2018	290
11	2/10/2018	547
12	29/11/2018	398.4
13	22/01/2019	506
14	2/04/2019	563
15	30/05/2019	402.3
16	19/06/2019	421
17	24/09/2019	222
18	6/11/2019	160
19	29/11/2019	202
20	16/03/2020	198
21	13/05/2020	174
22	16/11/2020	73.3
23	18/05/2021	65
24	18/11/2021	65.4
25	25/05/2022	2.75
26	21/06/2022	84.7
27	9/11/2022	23
28	10/05/2023	29.7
29	22/11/2023	46.4
30	17/04/2024	28.1
31	24/09/2024	25.4
32		
33		
34		
35		
Coefficient of Variation:		0.79
Mann-Kendall Statistic (S):		-229
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



Notes:

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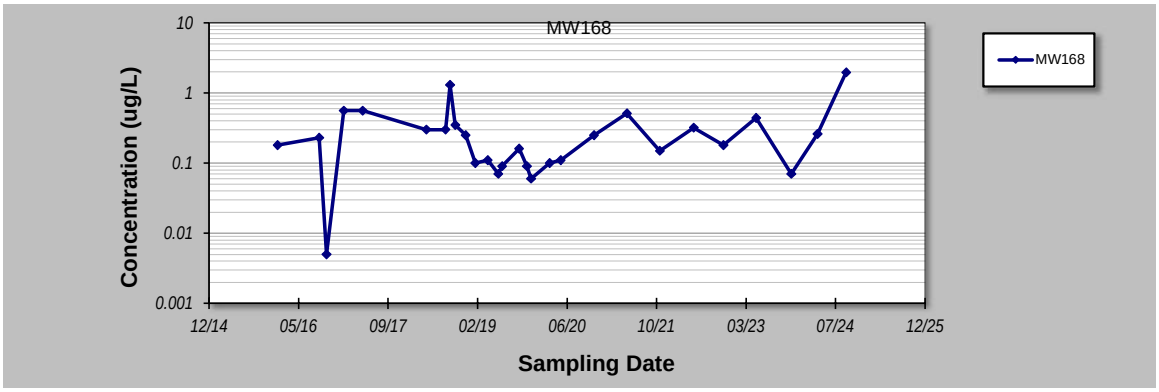
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW168

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	13/01/2016	0.18
2	2/09/2016	0.23
3	12/10/2016	0.005
4	17/01/2017	0.56
5	3/05/2017	0.56
6	23/04/2018	0.3
7	8/08/2018	0.3
8	3/09/2018	1.3
9	2/10/2018	0.35
10	29/11/2018	0.25
11	22/01/2019	0.1
12	1/04/2019	0.11
13	31/05/2019	0.07
14	20/06/2019	0.09
15	24/09/2019	0.16
16	6/11/2019	0.09
17	29/11/2019	0.06
18	13/03/2020	0.1
19	13/05/2020	0.11
20	16/11/2020	0.25
21	18/05/2021	0.51
22	18/11/2021	0.15
23	26/05/2022	0.32
24	9/11/2022	0.18
25	10/05/2023	0.44
26	22/11/2023	0.07
27	17/04/2024	0.26
28	24/09/2024	1.97
29		
30		
Coefficient of Variation:		1.27
Mann-Kendall Statistic (S):		2
Confidence Factor:		50.8%
Concentration Trend:		No Trend



Notes:

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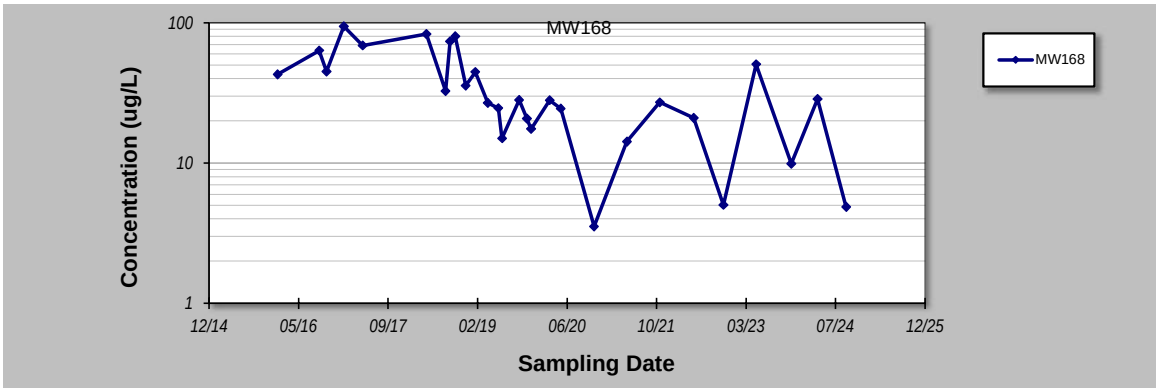
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW168

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/01/2016	42.9
2	2/09/2016	63.4
3	12/10/2016	45
4	17/01/2017	94.43
5	3/05/2017	68.9
6	23/04/2018	83.21
7	8/08/2018	32.6
8	3/09/2018	73.7
9	2/10/2018	79.9
10	29/11/2018	35.6
11	22/01/2019	44.6
12	1/04/2019	26.8
13	31/05/2019	24.6
14	20/06/2019	15
15	24/09/2019	28.1
16	6/11/2019	20.8
17	29/11/2019	17.5
18	13/03/2020	28
19	13/05/2020	24.5
20	16/11/2020	3.53
21	18/05/2021	14.2
22	18/11/2021	27.1
23	26/05/2022	21
24	9/11/2022	5.04
25	10/05/2023	50.6
26	22/11/2023	9.91
27	17/04/2024	28.6
28	24/09/2024	4.86
29		
30		
Coefficient of Variation:		0.70
Mann-Kendall Statistic (S):		-198
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



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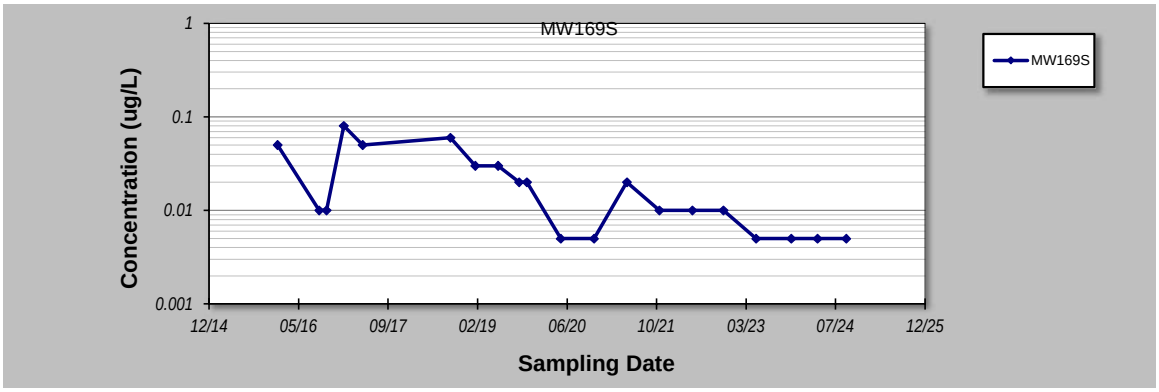
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 5-Dec-24
Facility Name: On Base: FFTA
Conducted By: BM

Job ID: 60569462
Constituent: PFOA
Concentration Units: ug/L

Sampling Point ID: MW169S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	13/01/2016	0.05
2	2/09/2016	0.01
3	12/10/2016	0.01
4	17/01/2017	0.08
5	3/05/2017	0.05
6	5/09/2018	0.06
7	22/01/2019	0.03
8	30/05/2019	0.03
9	24/09/2019	0.02
10	6/11/2019	0.02
11	13/05/2020	0.005
12	16/11/2020	0.005
13	18/05/2021	0.02
14	16/11/2021	0.01
15	19/05/2022	0.01
16	9/11/2022	0.01
17	10/05/2023	0.005
18	22/11/2023	0.005
19	17/04/2024	0.005
20	24/09/2024	0.005
21		
22		
23		
24		
25		
Coefficient of Variation:		0.99
Mann-Kendall Statistic (S):		-106
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
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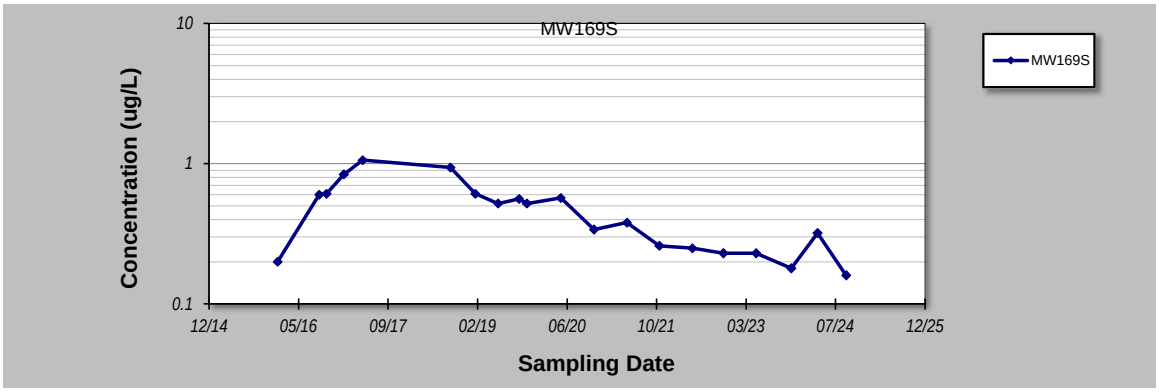
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	BM	Concentration Units:	ug/L

Sampling Point ID: MW169S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/01/2016	0.2
2	2/09/2016	0.6
3	12/10/2016	0.61
4	17/01/2017	0.84
5	3/05/2017	1.06
6	5/09/2018	0.94
7	22/01/2019	0.61
8	30/05/2019	0.52
9	24/09/2019	0.56
10	6/11/2019	0.52
11	13/05/2020	0.57
12	16/11/2020	0.34
13	18/05/2021	0.38
14	16/11/2021	0.26
15	19/05/2022	0.25
16	9/11/2022	0.23
17	10/05/2023	0.23
18	22/11/2023	0.18
19	17/04/2024	0.32
20	24/09/2024	0.16
21		
22		
23		
24		
25		
Coefficient of Variation:		0.56
Mann-Kendall Statistic (S):		-113
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



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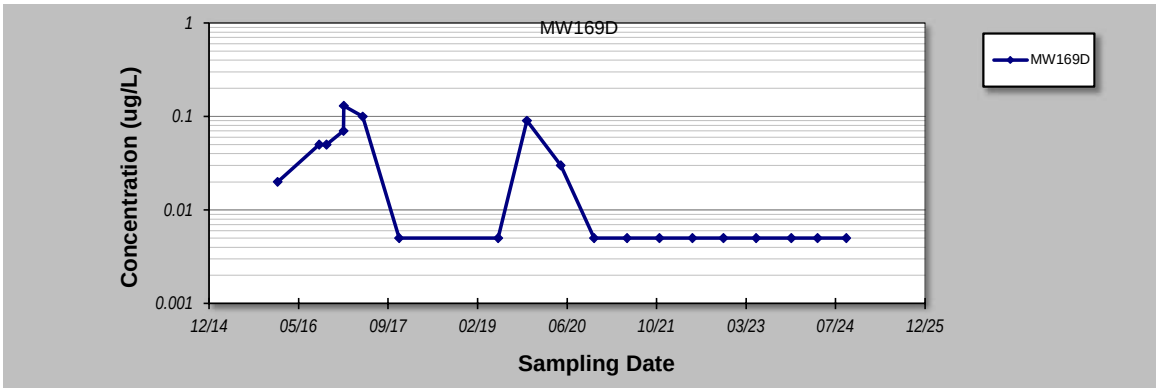
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW169D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	13/01/2016	0.02
2	2/09/2016	0.05
3	12/10/2016	0.05
4	16/01/2017	0.07
5	17/01/2017	0.13
6	3/05/2017	0.1
7	22/11/2017	0.005
8	30/05/2019	0.005
9	6/11/2019	0.09
10	13/05/2020	0.03
11	16/11/2020	0.005
12	18/05/2021	0.005
13	16/11/2021	0.005
14	19/05/2022	0.005
15	9/11/2022	0.005
16	10/05/2023	0.005
17	22/11/2023	0.005
18	17/04/2024	0.005
19	24/09/2024	0.005
20		
Coefficient of Variation:		1.26
Mann-Kendall Statistic (S):		-71
Confidence Factor:		99.4%
Concentration Trend:		Decreasing



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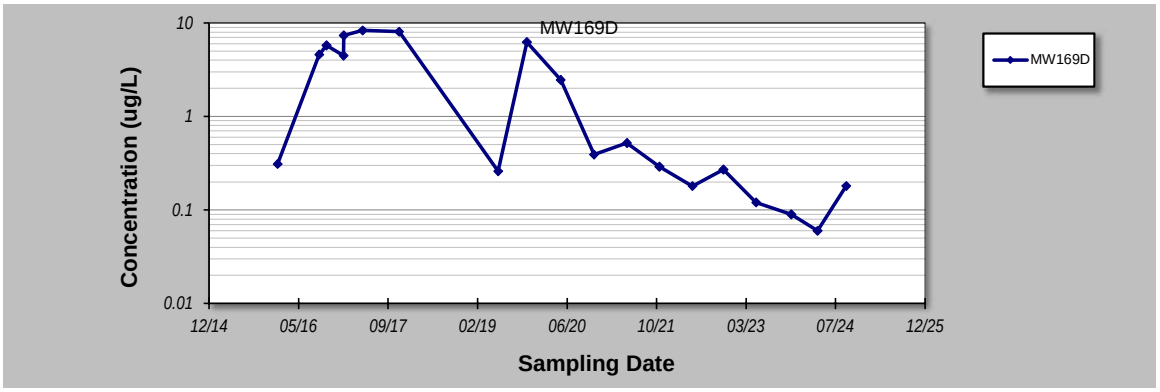
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW169D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/01/2016	0.31
2	2/09/2016	4.6
3	12/10/2016	5.75
4	16/01/2017	4.47
5	17/01/2017	7.37
6	3/05/2017	8.32
7	22/11/2017	8.08
8	30/05/2019	0.26
9	6/11/2019	6.25
10	13/05/2020	2.46
11	16/11/2020	0.39
12	18/05/2021	0.52
13	16/11/2021	0.29
14	19/05/2022	0.18
15	9/11/2022	0.27
16	10/05/2023	0.12
17	22/11/2023	0.09
18	17/04/2024	0.06
19	24/09/2024	0.18
20		
Coefficient of Variation:		1.19
Mann-Kendall Statistic (S):		-98
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



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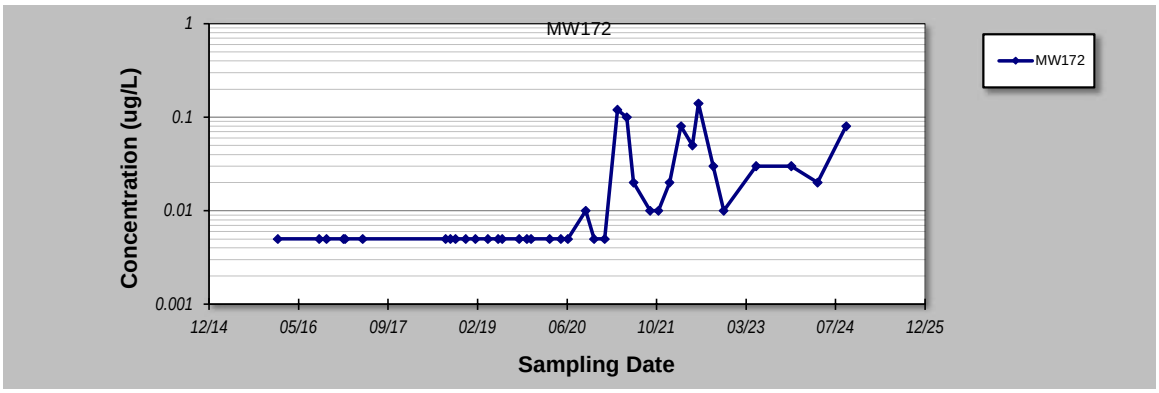
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Nov-24
Facility Name: On Base: FFTA
Conducted By: HB/JR

Job ID: 60569462
Constituent: PFOA
Concentration Units: ug/L

Sampling Point ID: MW172

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	14/01/2016	0.005
2	2/09/2016	0.005
3	12/10/2016	0.005
4	16/01/2017	0.005
5	25/01/2017	0.005
6	3/05/2017	0.005
7	9/08/2018	0.005
8	5/09/2018	0.005
9	3/10/2018	0.005
10	29/11/2018	0.005
11	23/01/2019	0.005
12	2/04/2019	0.005
13	30/05/2019	0.005
14	20/06/2019	0.005
15	24/09/2019	0.005
16	6/11/2019	0.005
17	29/11/2019	0.005
18	13/03/2020	0.005
19	15/05/2020	0.005
20	22/06/2020	0.005
21	30/09/2020	0.01
22	16/11/2020	0.005
23	14/01/2021	0.005
24	26/03/2021	0.12
25	17/05/2021	0.1
26	24/06/2021	0.02
27	24/09/2021	0.01
28	10/11/2021	0.01
29	12/01/2022	0.02
30	16/03/2022	0.08
31	19/05/2022	0.05
32	22/06/2022	0.14
33	13/09/2022	0.03
34	10/11/2022	0.01
35	10/05/2023	0.03
36	22/11/2023	0.03
37	17/04/2024	0.02
38	24/09/2024	0.08
39		
40		
Coefficient of Variation:		1.51
Mann-Kendall Statistic (S):		355
Confidence Factor:		>99.9%
Concentration Trend:		Increasing



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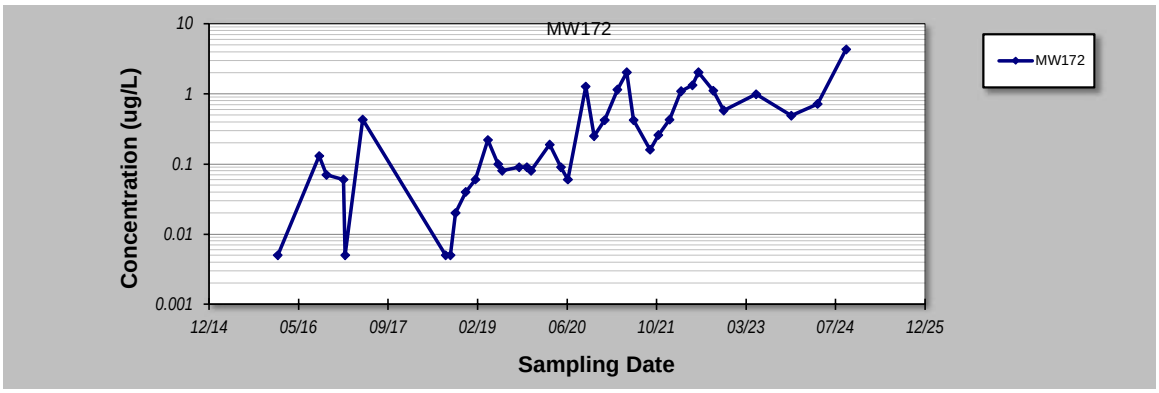
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: **MW172**

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	14/01/2016	0.005
2	2/09/2016	0.13
3	12/10/2016	0.07
4	16/01/2017	0.06
5	25/01/2017	0.005
6	3/05/2017	0.43
7	9/08/2018	0.005
8	5/09/2018	0.005
9	3/10/2018	0.02
10	29/11/2018	0.04
11	23/01/2019	0.06
12	2/04/2019	0.22
13	30/05/2019	0.1
14	20/06/2019	0.08
15	24/09/2019	0.09
16	6/11/2019	0.09
17	29/11/2019	0.08
18	13/03/2020	0.19
19	15/05/2020	0.09
20	22/06/2020	0.06
21	30/09/2020	1.27
22	16/11/2020	0.25
23	14/01/2021	0.42
24	26/03/2021	1.15
25	17/05/2021	2.03
26	24/06/2021	0.42
27	24/09/2021	0.16
28	10/11/2021	0.26
29	12/01/2022	0.43
30	16/03/2022	1.09
31	19/05/2022	1.33
32	22/06/2022	2.03
33	13-Sep-22	1.11
34	10-Nov-22	0.58
35	10-May-23	0.99
36	22-Nov-23	0.49
37	17/04/2024	0.72
38	24/09/2024	4.31
39		
40		
Coefficient of Variation:		1.51
Mann-Kendall Statistic (S):		423
Confidence Factor:		>99.9%
Concentration Trend:		Increasing



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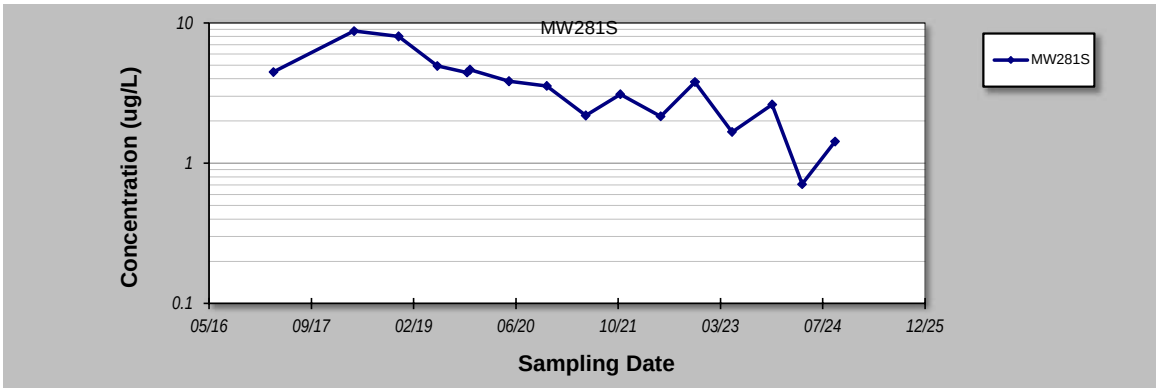
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Nov-24
Facility Name: On Base: FFTA
Conducted By: HB/JR

Job ID: 60569462
Constituent: PFOA
Concentration Units: ug/L

Sampling Point ID: MW281S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	20/03/2017	4.47
2	19/04/2018	8.75
3	22/11/2018	8.01
4	31/05/2019	4.94
5	23/10/2019	4.44
6	6/11/2019	4.64
7	15/05/2020	3.84
8	16/11/2020	3.56
9	25/05/2021	2.19
10	10/11/2021	3.1
11	26/05/2022	2.16
12	10/11/2022	3.79
13	10/05/2023	1.67
14	22/11/2023	2.62
15	17/04/2024	0.71
16	25/09/2024	1.43
17		
18		
19		
20		
Coefficient of Variation:		0.58
Mann-Kendall Statistic (S):		-92
Confidence Factor:		>99.9%
Concentration Trend:		Decreasing



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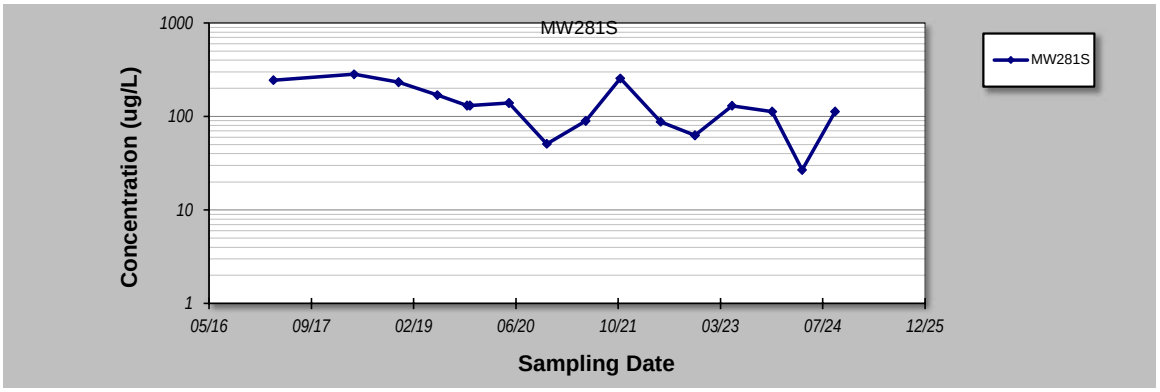
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: **MW281S**

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	20/03/2017	244
2	19/04/2018	283
3	22/11/2018	232
4	31/05/2019	169.4
5	23/10/2019	131
6	6/11/2019	131
7	15/05/2020	139
8	16/11/2020	51
9	25/05/2021	89.5
10	10/11/2021	255
11	26/05/2022	88
12	10/11/2022	62.9
13	10/05/2023	130
14	22/11/2023	113
15	17/04/2024	26.8
16	25/09/2024	113
17		
18		
19		
20		
Coefficient of Variation:		0.54
Mann-Kendall Statistic (S):		-64
Confidence Factor:		99.8%
Concentration Trend:		Decreasing



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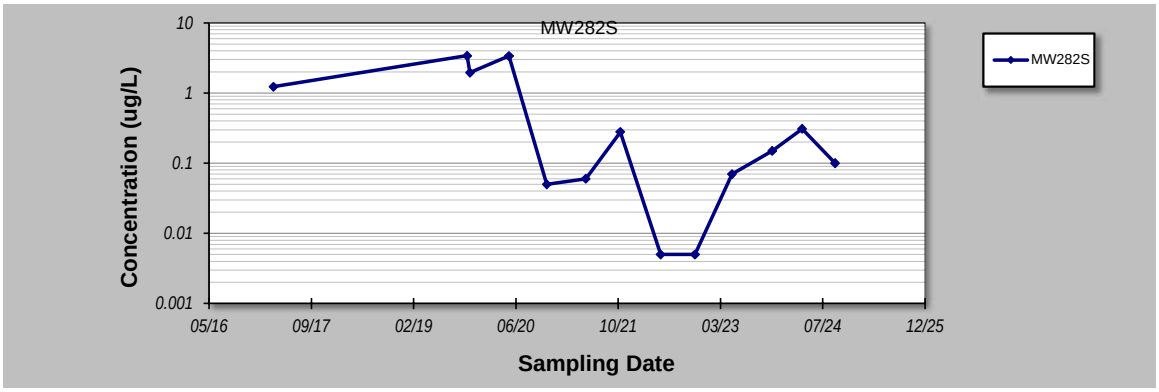
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW282S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	20/03/2017	1.23
2	23/10/2019	3.41
3	6/11/2019	1.95
4	15/05/2020	3.39
5	16/11/2020	0.05
6	25/05/2021	0.06
7	10/11/2021	0.28
8	26/05/2022	0.005
9	10/11/2022	0.005
10	10/05/2023	0.07
11	22/11/2023	0.15
12	17/04/2024	0.31
13	25/09/2024	0.1
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.50
Mann-Kendall Statistic (S):		-21
Confidence Factor:		88.6%
Concentration Trend:		No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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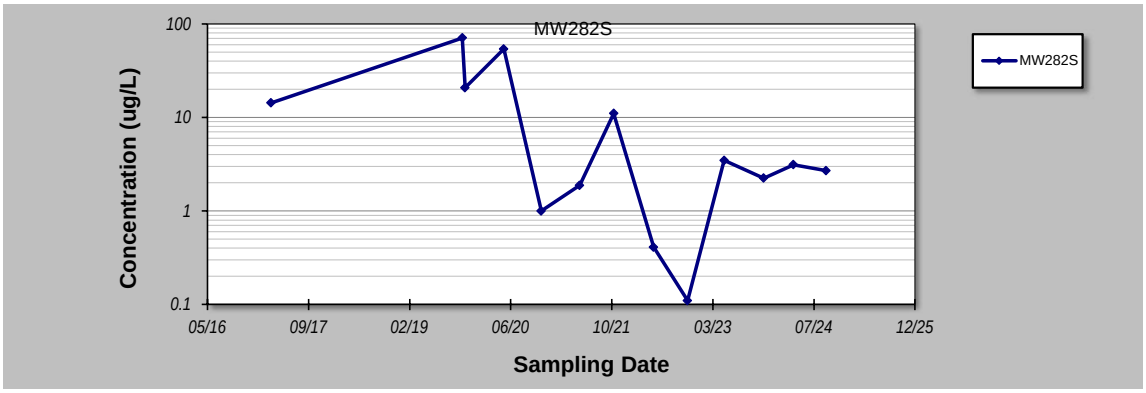
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW282S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	20/03/2017	14.3
2	23/10/2019	70.7
3	6/11/2019	20.8
4	15/05/2020	53.9
5	16/11/2020	1
6	25/05/2021	1.88
7	10/11/2021	11
8	26/05/2022	0.41
9	10/11/2022	0.11
10	10/05/2023	3.47
11	22/11/2023	2.24
12	17/04/2024	3.12
13	25/09/2024	2.7
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.57
Mann-Kendall Statistic (S):		-28
Confidence Factor:		95.0%
Concentration Trend:		Prob. Decreasing



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 5-Dec-24
Facility Name: On Base: FFTA
Conducted By: BM

Job ID: 60569462
Constituent: PFOA
Concentration Units: ug/L

Sampling Point ID: MW354

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	9/11/2020	4.07
2	5/10/2023	3.21
3	14/11/2023	5.77
4	18/04/2024	4.34
5	25/09/2024	1.72
6		
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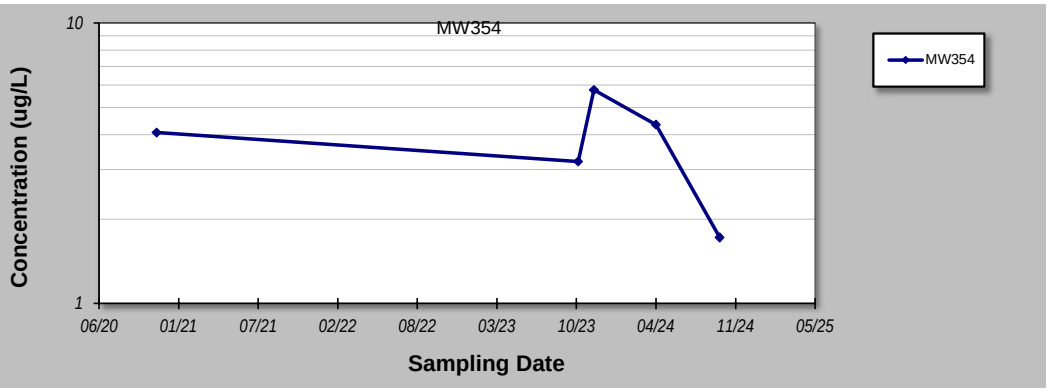
19		
20		
Coefficient of Variation:		0.39
Mann-Kendall Statistic (S):		-2
Confidence Factor:		59.2%
Concentration Trend:		Stable



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: FFTA	Constituent:	PFOS+PFHxS
Conducted By:	BM	Concentration Units:	ug/L

Sampling Point ID: MW354

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	9/11/2020	120
2	5/10/2023	40.6
3	14/11/2023	60.8
4	18/04/2024	81.8
5	25/09/2024	42.1
6		
7		
8		
9		
10		
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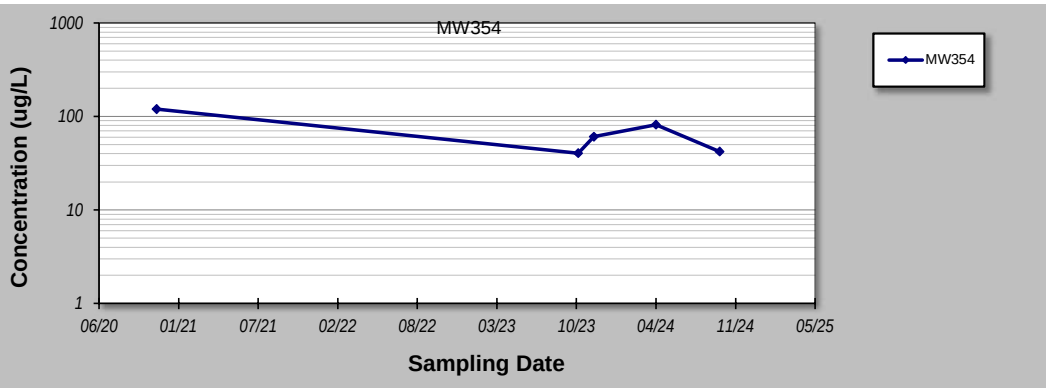
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.48
Mann-Kendall Statistic (S):		-2
Confidence Factor:		59.2%
Concentration Trend:		Stable



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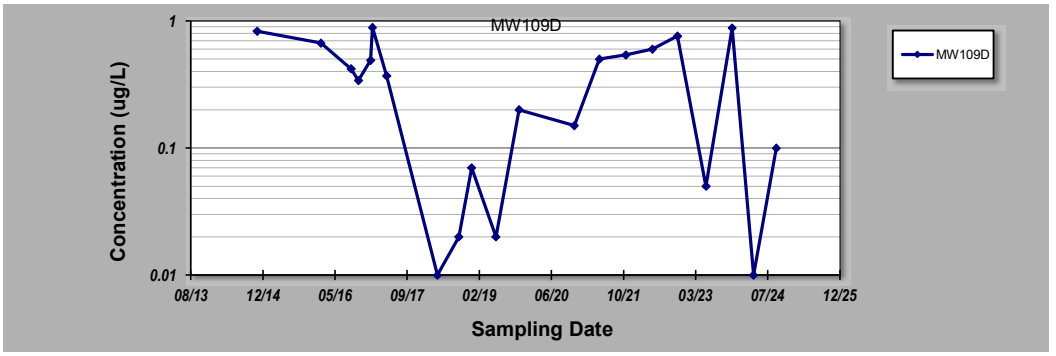
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW109D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	17/11/2014	0.83
2	2/02/2016	0.67
3	29/08/2016	0.42
4	19/10/2016	0.34
5	12/01/2017	0.49
6	24/01/2017	0.89
7	2/05/2017	0.37
8	20/04/2018	0.01
9	14/09/2018	0.02
10	13/12/2018	0.07
11	31/05/2019	0.02
12	8/11/2019	0.2
13	23/11/2020	0.15
14	17/05/2021	0.5
15	16/11/2021	0.54
16	19/05/2022	0.6
17	10/11/2022	0.76
18	26/05/2023	0.05
19	22/11/2023	0.88
20	18/04/2024	0.01
21	24/09/2024	0.1
22		
23		
24		
25		
Coefficient of Variation:		0.83
Mann-Kendall Statistic (S):		-22
Confidence Factor:		73.5%
Concentration Trend:		Stable



Notes:

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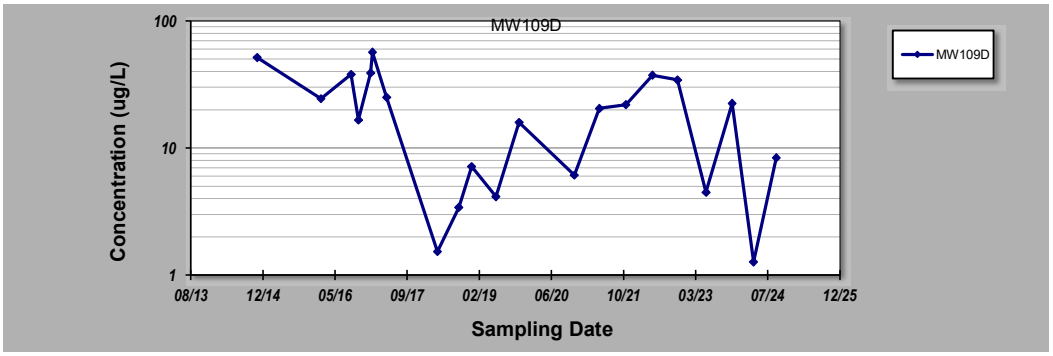
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW109D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	17/11/2014	51.5
2	2/02/2016	24.5
3	29/08/2016	37.9
4	19/10/2016	16.6
5	12/01/2017	39
6	24/01/2017	56.7
7	2/05/2017	25.1
8	20/04/2018	1.53
9	14/09/2018	3.41
10	13/12/2018	7.15
11	31/05/2019	4.15
12	8/11/2019	15.9
13	23/11/2020	6.12
14	17/05/2021	20.5
15	16/11/2021	21.9
16	19/05/2022	37.4
17	10/11/2022	34.3
18	26/05/2023	4.48
19	22/11/2023	22.5
20	18/04/2024	1.27
21	24/09/2024	8.38
22		
23		
24		
25		
Coefficient of Variation:		0.79
Mann-Kendall Statistic (S):		-50
Confidence Factor:		93.0%
Concentration Trend:		Prob. Decreasing



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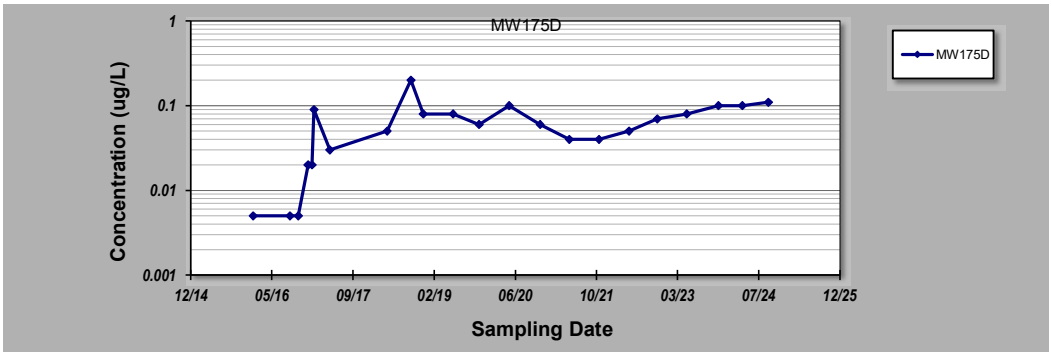
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW175D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	15/01/2016	0.005
2	29/08/2016	0.005
3	19/10/2016	0.005
4	19/12/2016	0.02
5	20/12/2016	0.02
6	12/01/2017	0.02
7	24/01/2017	0.09
8	2/05/2017	0.03
9	20/04/2018	0.05
10	14/09/2018	0.2
11	29/11/2018	0.08
12	31/05/2019	0.08
13	8/11/2019	0.06
14	11/05/2020	0.1
15	17/11/2020	0.06
16	17/05/2021	0.04
17	16/11/2021	0.04
18	19/05/2022	0.05
19	10/11/2022	0.07
20	10/05/2023	0.08
21	22/11/2023	0.1
22	17/04/2024	0.1
23	24/09/2024	0.11
24		
25		
Coefficient of Variation:		0.73
Mann-Kendall Statistic (S):		138
Confidence Factor:		>99.9%
Concentration Trend:		Increasing



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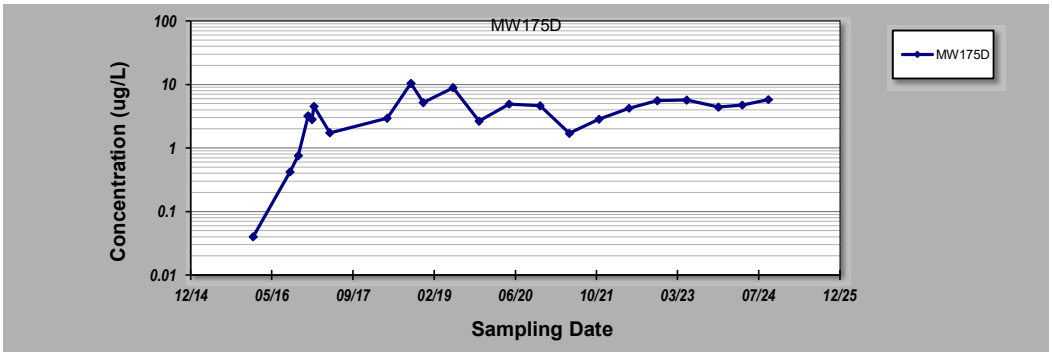
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW175D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	15/01/2016	0.04
2	29/08/2016	0.42
3	19/10/2016	0.76
4	19/12/2016	3.2
5	20/12/2016	3.2
6	12/01/2017	2.81
7	24/01/2017	4.51
8	2/05/2017	1.73
9	20/04/2018	2.93
10	14/09/2018	10.4
11	29/11/2018	5.2
12	31/05/2019	8.9
13	8/11/2019	2.65
14	11/05/2020	4.9
15	17/11/2020	4.63
16	17/05/2021	1.7
17	16/11/2021	2.84
18	19/05/2022	4.21
19	10/11/2022	5.56
20	10/05/2023	5.66
21	22/11/2023	4.39
22	17/04/2024	4.73
23	24/09/2024	5.8
24		
25		
Coefficient of Variation:		0.62
Mann-Kendall Statistic (S):		106
Confidence Factor:		99.8%
Concentration Trend:		Increasing



Notes:

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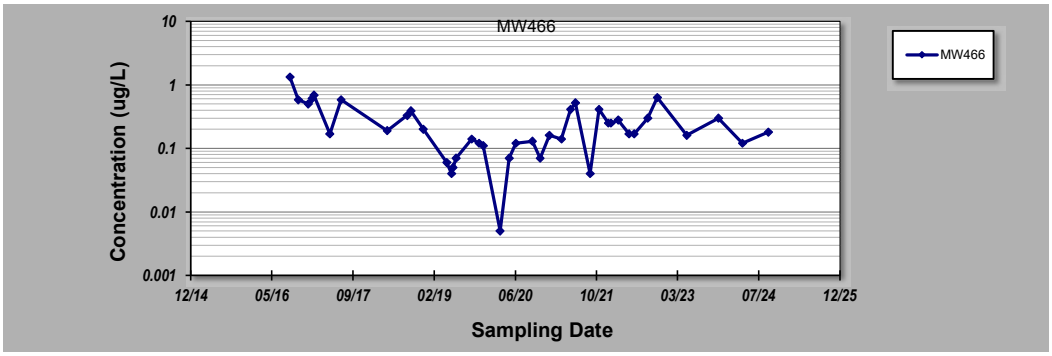
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW466

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	29/08/2016	1.33
2	19/10/2016	0.58
3	20/12/2016	0.5
4	12/01/2017	0.61
5	24/01/2017	0.69
6	2/05/2017	0.17
7	10/07/2017	0.58
8	20/04/2018	0.19
9	22/08/2018	0.33
10	14/09/2018	0.39
11	29/11/2018	0.2
12	23/04/2019	0.06
13	22/05/2019	0.04
14	31/05/2019	0.05
15	19/06/2019	0.07
16	24/09/2019	0.14
17	8/11/2019	0.12
18	3/12/2019	0.11
19	16/03/2020	0.005
20	11/05/2020	0.07
21	22/06/2020	0.12
22	1/10/2020	0.13
23	17/11/2020	0.07
24	13/01/2021	0.16
25	29/03/2021	0.14
26	24/05/2021	0.41
27	23/06/2021	0.52
28	22/09/2021	0.04
29	16/11/2021	0.41
30	11/01/2022	0.25
31	28/01/2022	0.25
32	14-Mar-22	0.28
33	19-May-22	0.17
34	20-Jun-22	0.17
35	12-Sep-22	0.3
36	10-Nov-22	0.63
37	10-May-23	0.16
38	22-Nov-23	0.3
39	18-Apr-24	0.12
40	24-Sep-24	0.18
Coefficient of Variation:		0.92
Mann-Kendall Statistic (S):		-51
Confidence Factor:		73.4%
Concentration Trend:		Stable



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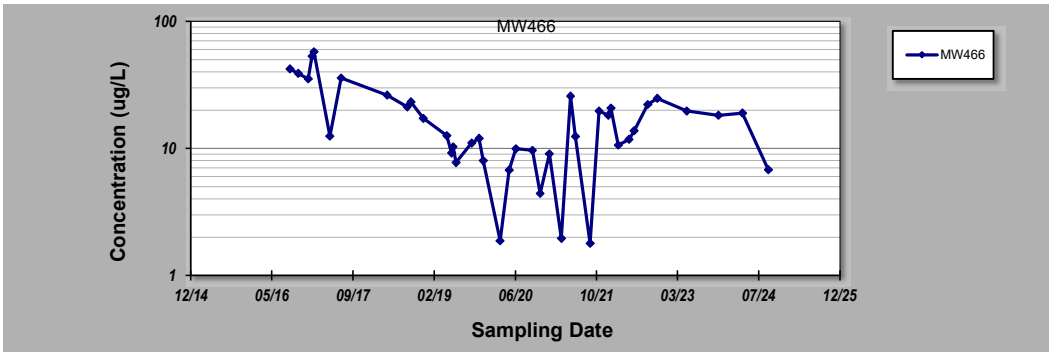
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW466

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	29/08/2016	42.3
2	19/10/2016	38.9
3	20/12/2016	35.24
4	12/01/2017	53.2
5	24/01/2017	57.7
6	2/05/2017	12.5
7	10/07/2017	35.8
8	20/04/2018	26.23
9	22/08/2018	21.2
10	14/09/2018	23.2
11	29/11/2018	17.25
12	23/04/2019	12.6
13	22/05/2019	9.23
14	31/05/2019	10.3
15	19/06/2019	7.75
16	24/09/2019	11
17	8/11/2019	12
18	3/12/2019	8.01
19	16/03/2020	1.87
20	11/05/2020	6.76
21	22/06/2020	9.94
22	1/10/2020	9.63
23	17/11/2020	4.41
24	13/01/2021	9.05
25	29/03/2021	1.96
26	24/05/2021	25.8
27	23/06/2021	12.4
28	22/09/2021	1.79
29	16/11/2021	19.7
30	11/01/2022	18.2
31	28/01/2022	20.7
32	14-Mar-22	10.6
33	19-May-22	11.8
34	20-Jun-22	13.8
35	12-Sep-22	22.1
36	10-Nov-22	24.8
37	10-May-23	19.7
38	22-Nov-23	18.2
39	18-Apr-24	19
40	24-Sep-24	6.8
Coefficient of Variation:		0.73
Mann-Kendall Statistic (S):		-163
Confidence Factor:		97.9%
Concentration Trend:		Decreasing



Notes:

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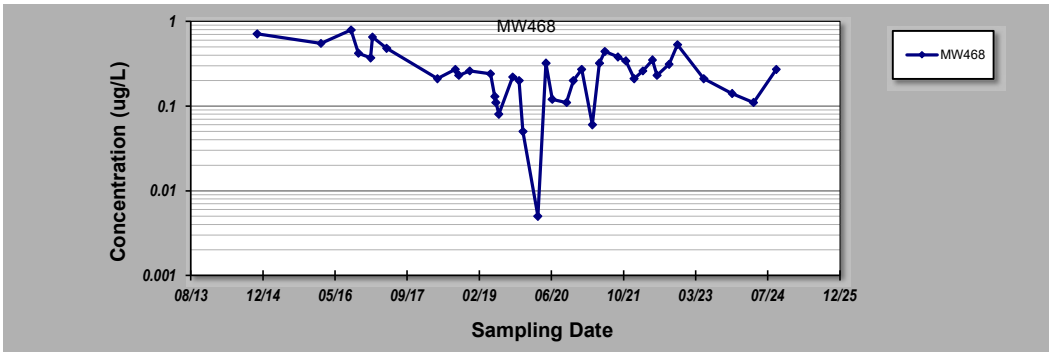
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW468

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	17/11/2014	0.71
2	2/02/2016	0.55
3	30/08/2016	0.79
4	19/10/2016	0.42
5	12/01/2017	0.37
6	24/01/2017	0.65
7	2/05/2017	0.48
8	20/04/2018	0.21
9	22/08/2018	0.27
10	14/09/2018	0.23
11	29/11/2018	0.26
12	23/04/2019	0.24
13	22/05/2019	0.13
14	31/05/2019	0.11
15	19/06/2019	0.08
16	24/09/2019	0.22
17	8/11/2019	0.2
18	3/12/2019	0.05
19	16/03/2020	0.005
20	11/05/2020	0.32
21	23/06/2020	0.12
22	1/10/2020	0.11
23	17/11/2020	0.2
24	13/01/2021	0.27
25	29/03/2021	0.06
26	17/05/2021	0.32
27	23/06/2021	0.44
28	22/09/2021	0.38
29	16/11/2021	0.34
30	12/01/2022	0.21
31	14/03/2022	0.26
32	19/05/2022	0.35
33	20/06/2022	0.23
34	12/09/2022	0.31
35	10/11/2022	0.53
36	10/05/2023	0.21
37	22/11/2023	0.14
38	18/04/2024	0.11
39	24/09/2024	0.27
40		
Coefficient of Variation:		0.63
Mann-Kendall Statistic (S):		-144
Confidence Factor:		95.8%
Concentration Trend:		Decreasing



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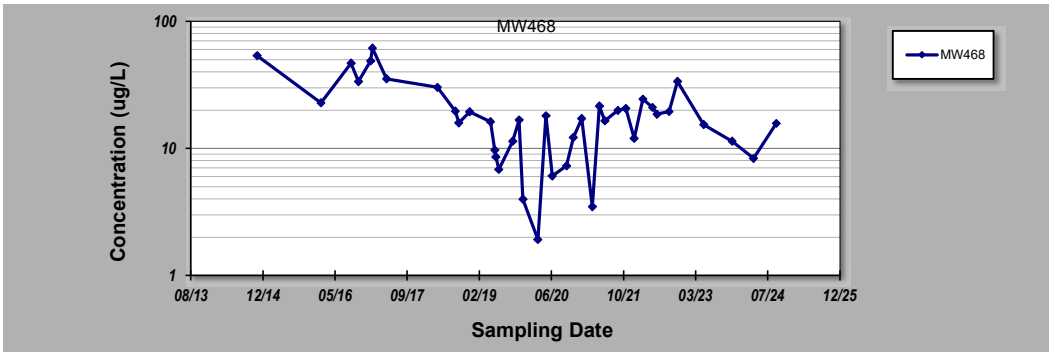
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: South of Lake Cochran	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW468

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	17/11/2014	53.6
2	2/02/2016	22.8
3	30/08/2016	46.8
4	19/10/2016	33.6
5	12/01/2017	48.8
6	24/01/2017	61.5
7	2/05/2017	35.2
8	20/04/2018	30.22
9	22/08/2018	19.6
10	14/09/2018	15.9
11	29/11/2018	19.4
12	23/04/2019	16.2
13	22/05/2019	9.71
14	31/05/2019	8.58
15	19/06/2019	6.82
16	24/09/2019	11.4
17	8/11/2019	16.7
18	3/12/2019	3.99
19	16/03/2020	1.92
20	11/05/2020	18.1
21	23/06/2020	6.07
22	1/10/2020	7.27
23	17/11/2020	12.2
24	13/01/2021	17.2
25	29/03/2021	3.48
26	17/05/2021	21.5
27	23/06/2021	16.5
28	22/09/2021	19.9
29	16/11/2021	20.6
30	12/01/2022	12
31	14/03/2022	24.4
32	19/05/2022	21
33	20/06/2022	18.6
34	12-Sep-22	19.5
35	10-Nov-22	33.7
36	10-May-23	15.4
37	22-Nov-23	11.4
38	18/04/2024	8.34
39	24/09/2024	15.7
40		
Coefficient of Variation:		0.69
Mann-Kendall Statistic (S):		-174
Confidence Factor:		98.3%
Concentration Trend:		Decreasing



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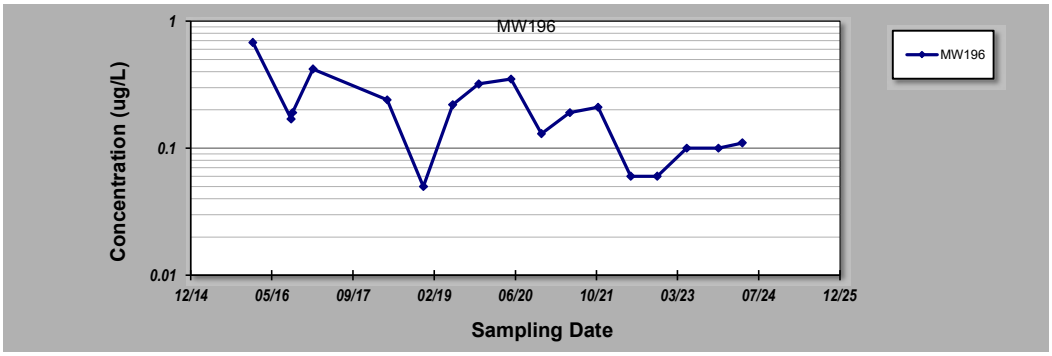
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW196

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	13/01/2016	0.68
2	5/09/2016	0.17
3	15/09/2016	0.19
4	18/01/2017	0.42
5	20/04/2018	0.24
6	30/11/2018	0.05
7	29/05/2019	0.22
8	6/11/2019	0.32
9	22/05/2020	0.35
10	26/11/2020	0.13
11	19/05/2021	0.19
12	10/11/2021	0.21
13	30/05/2022	0.06
14	9/11/2022	0.06
15	10/05/2023	0.1
16	22/11/2023	0.1
17	17/04/2024	0.11
18		
19		
20		
Coefficient of Variation:		0.76
Mann-Kendall Statistic (S):		-51
Confidence Factor:		98.1%
Concentration Trend:		Decreasing



Notes:

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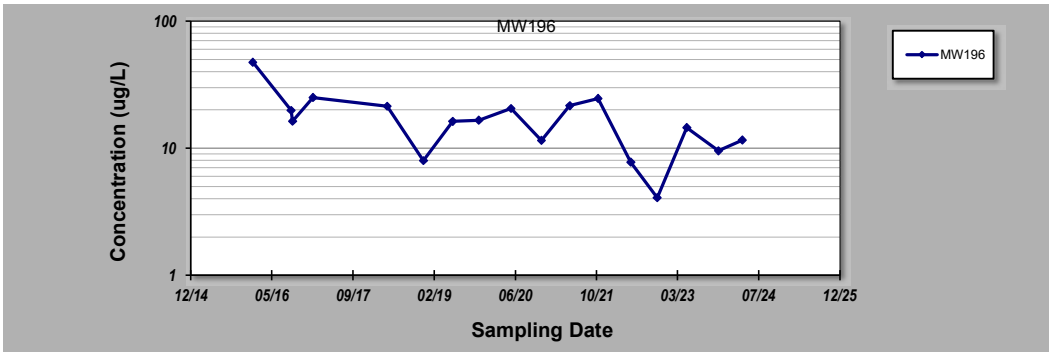
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW196

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/01/2016	47.5
2	5/09/2016	19.8
3	15/09/2016	16.3
4	18/01/2017	25
5	20/04/2018	21.4
6	30/11/2018	7.97
7	29/05/2019	16.24
8	6/11/2019	16.6
9	22/05/2020	20.5
10	26/11/2020	11.5
11	19/05/2021	21.6
12	10/11/2021	24.6
13	30/05/2022	7.76
14	9/11/2022	4.08
15	10/05/2023	14.5
16	22/11/2023	9.52
17	17/04/2024	11.6
18		
19		
20		
Coefficient of Variation:		0.57
Mann-Kendall Statistic (S):		-50
Confidence Factor:		97.9%
Concentration Trend:		Decreasing



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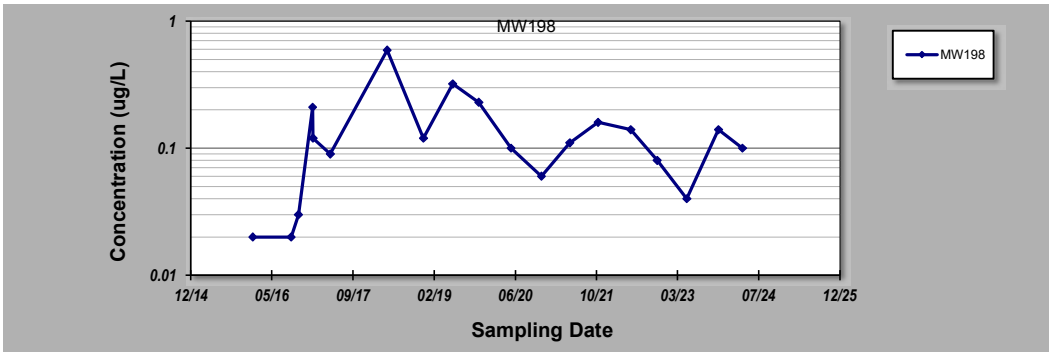
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW198

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	13/01/2016	0.02
2	5/09/2016	0.02
3	20/10/2016	0.03
4	16/01/2017	0.21
5	18/01/2017	0.12
6	5/05/2017	0.09
7	20/04/2018	0.59
8	30/11/2018	0.12
9	29/05/2019	0.32
10	6/11/2019	0.23
11	22/05/2020	0.1
12	26/11/2020	0.06
13	19/05/2021	0.11
14	10/11/2021	0.16
15	30/05/2022	0.14
16	9/11/2022	0.08
17	10/05/2023	0.04
18	22/11/2023	0.14
19	18/04/2024	0.1
20		
Coefficient of Variation:		0.94
Mann-Kendall Statistic (S):		15
Confidence Factor:		68.6%
Concentration Trend:		No Trend



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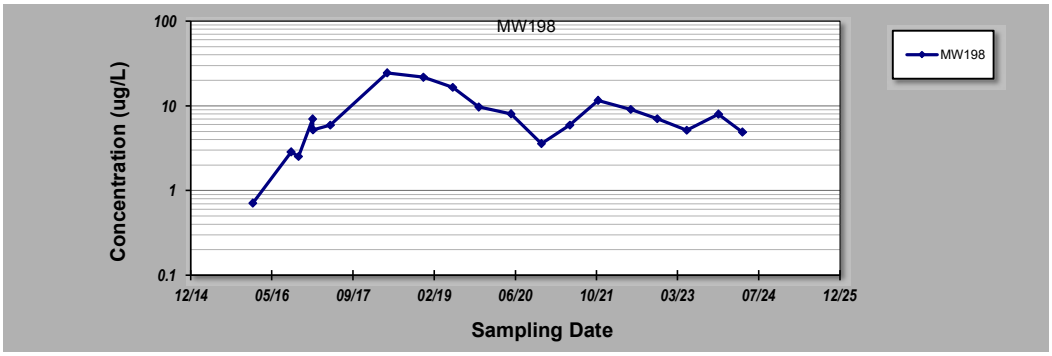
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW198

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	13/01/2016	0.71
2	5/09/2016	2.86
3	20/10/2016	2.52
4	16/01/2017	6.99
5	18/01/2017	5.2
6	5/05/2017	5.9
7	20/04/2018	24.45
8	30/11/2018	21.8
9	29/05/2019	16.51
10	6/11/2019	9.68
11	22/05/2020	8.06
12	26/11/2020	3.58
13	19/05/2021	5.93
14	10/11/2021	11.6
15	30/05/2022	9.04
16	9/11/2022	7.03
17	10/05/2023	5.14
18	22/11/2023	7.95
19	18/04/2024	4.9
20		
Coefficient of Variation:		0.75
Mann-Kendall Statistic (S):		21
Confidence Factor:		75.5%
Concentration Trend:		No Trend



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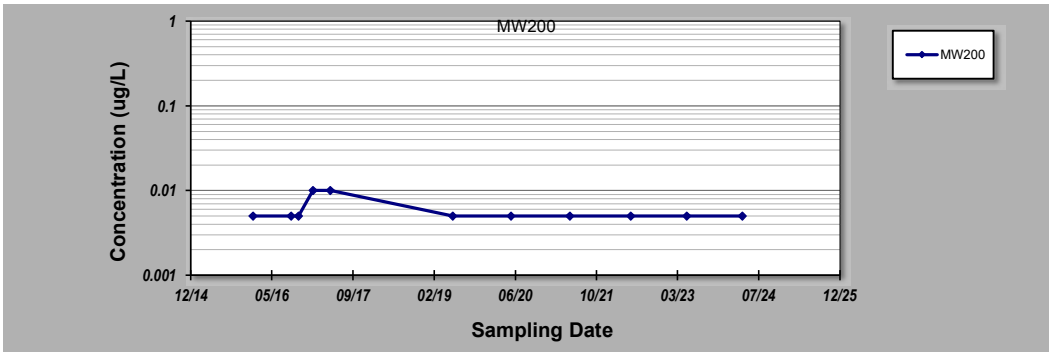
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW200						

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)						
1	14/01/2016	0.005						
2	5/09/2016	0.005						
3	21/10/2016	0.005						
4	18/01/2017	0.01						
5	5/05/2017	0.01						
6	29/05/2019	0.005						
7	22/05/2020	0.005						
8	19/05/2021	0.005						
9	30/05/2022	0.005						
10	10/05/2023	0.005						
11	17/04/2024	0.005						
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.34						
Mann-Kendall Statistic (S):		-6						
Confidence Factor:		64.8%						
Concentration Trend:		N/A						



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1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
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3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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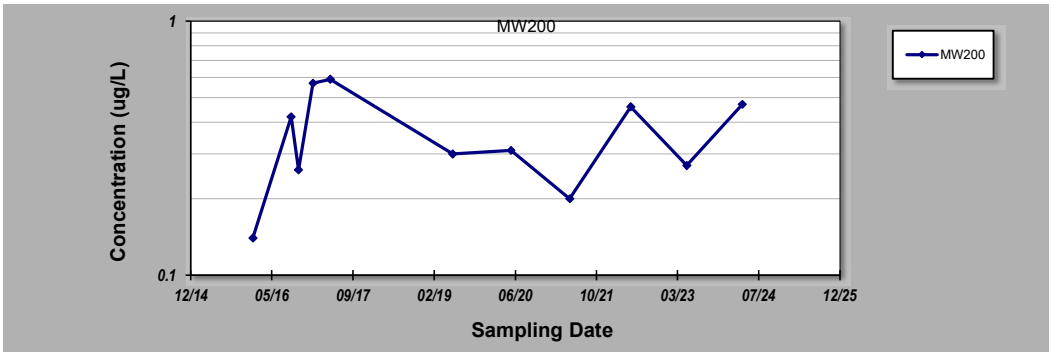
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW200

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	14/01/2016	0.14
2	5/09/2016	0.42
3	21/10/2016	0.26
4	18/01/2017	0.57
5	5/05/2017	0.59
6	29/05/2019	0.3
7	22/05/2020	0.31
8	19/05/2021	0.2
9	30/05/2022	0.46
10	10/05/2023	0.27
11	17/04/2024	0.47
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.41
Mann-Kendall Statistic (S):		9
Confidence Factor:		72.9%
Concentration Trend:		No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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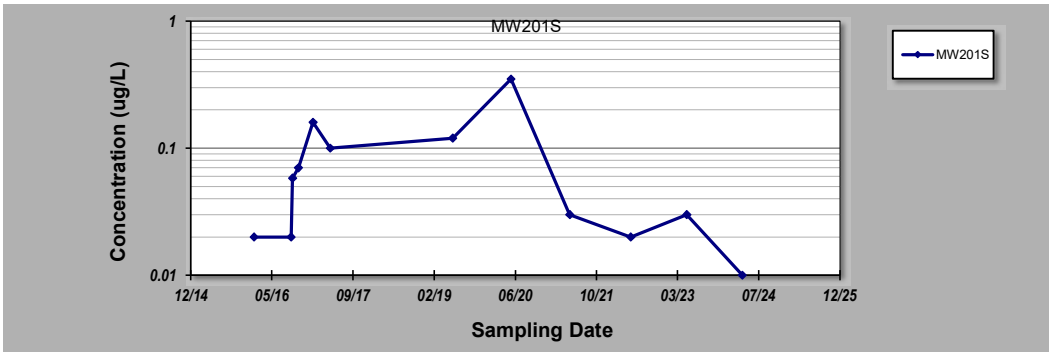
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW201S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	21/01/2016	0.02
2	5/09/2016	0.02
3	15/09/2016	0.058
4	21/10/2016	0.07
5	18/01/2017	0.16
6	5/05/2017	0.1
7	29/05/2019	0.12
8	22/05/2020	0.35
9	19/05/2021	0.03
10	30/05/2022	0.02
11	10/05/2023	0.03
12	17/04/2024	0.01
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.17
Mann-Kendall Statistic (S):		-2
Confidence Factor:		52.7%
Concentration Trend:		No Trend



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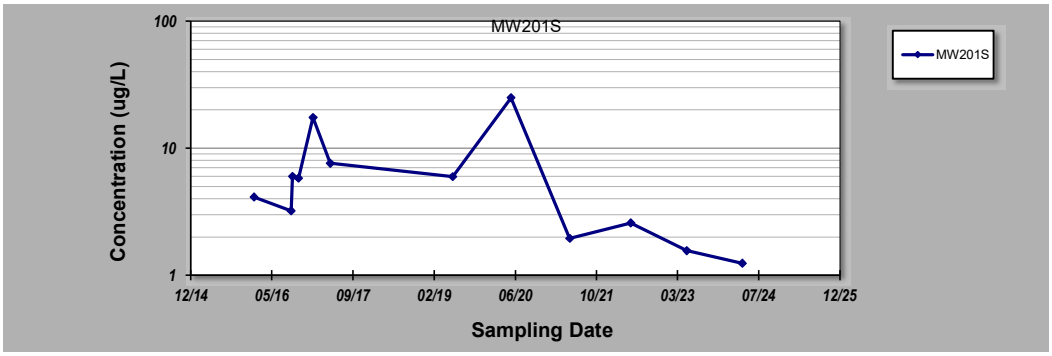
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW201S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	21/01/2016	4.12
2	5/09/2016	3.21
3	15/09/2016	5.99
4	21/10/2016	5.8
5	18/01/2017	17.4
6	5/05/2017	7.6
7	29/05/2019	5.96
8	22/05/2020	24.9
9	19/05/2021	1.95
10	30/05/2022	2.58
11	10/05/2023	1.56
12	17/04/2024	1.24
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.04
Mann-Kendall Statistic (S):		-20
Confidence Factor:		90.2%
Concentration Trend:		Prob. Decreasing



Notes:

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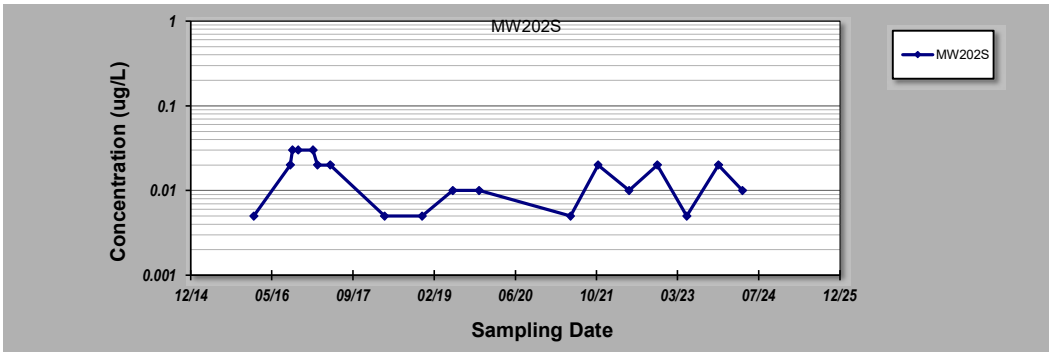
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW202S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	20/01/2016	0.005
2	31/08/2016	0.02
3	15/09/2016	0.03
4	18/10/2016	0.03
5	18/01/2017	0.03
6	15/02/2017	0.02
7	5/05/2017	0.02
8	4/04/2018	0.005
9	22/11/2018	0.005
10	30/05/2019	0.01
11	8/11/2019	0.01
12	24/05/2021	0.005
13	10/11/2021	0.02
14	19/05/2022	0.01
15	10/11/2022	0.02
16	10/05/2023	0.005
17	22/11/2023	0.02
18	18/04/2024	0.01
19		
20		
Coefficient of Variation:		0.60
Mann-Kendall Statistic (S):		-29
Confidence Factor:		85.3%
Concentration Trend:		Stable



Notes:

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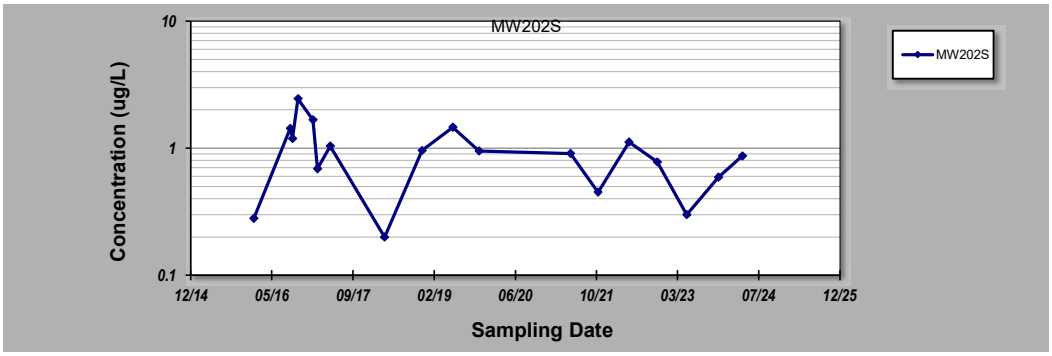
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Former and Current Fire Station	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW202S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	20/01/2016	0.28
2	31/08/2016	1.43
3	15/09/2016	1.19
4	18/10/2016	2.45
5	18/01/2017	1.67
6	15/02/2017	0.69
7	5/05/2017	1.04
8	4/04/2018	0.2
9	22/11/2018	0.96
10	30/05/2019	1.46
11	8/11/2019	0.95
12	24/05/2021	0.91
13	10/11/2021	0.45
14	19/05/2022	1.12
15	10/11/2022	0.78
16	10/05/2023	0.3
17	22/11/2023	0.59
18	18/04/2024	0.87
19		
20		
Coefficient of Variation:		0.58
Mann-Kendall Statistic (S):		-45
Confidence Factor:		95.2%
Concentration Trend:		Decreasing



Notes:

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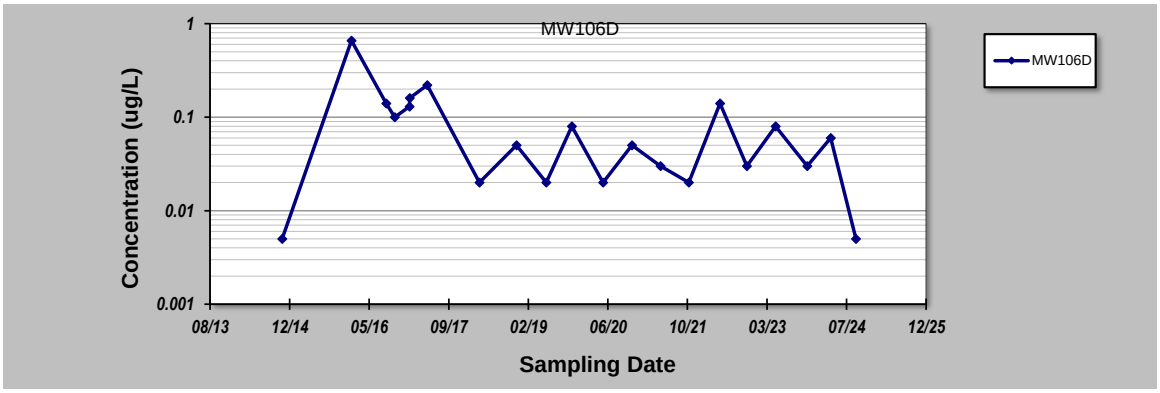
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L
Sampling Point ID:	MW106D		

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	10/11/2014	0.005
2	19/01/2016	0.66
3	25/08/2016	0.14
4	17/10/2016	0.1
5	19/01/2017	0.13
6	20/01/2017	0.16
7	9/05/2017	0.22
8	3/04/2018	0.02
9	21/11/2018	0.05
10	28/05/2019	0.02
11	4/11/2019	0.08
12	19/05/2020	0.02
13	17/11/2020	0.05
14	14/05/2021	0.03
15	8/11/2021	0.02
16	24/05/2022	0.14
17	8/11/2022	0.03
18	8/05/2023	0.08
19	23/11/2023	0.03
20	19/04/2024	0.06
21	24/09/2024	0.005
22		
23		
24		
25		
Coefficient of Variation:		1.45
Mann-Kendall Statistic (S):		-53
Confidence Factor:		94.2%
Concentration Trend:		Prob. Decreasing



Notes:

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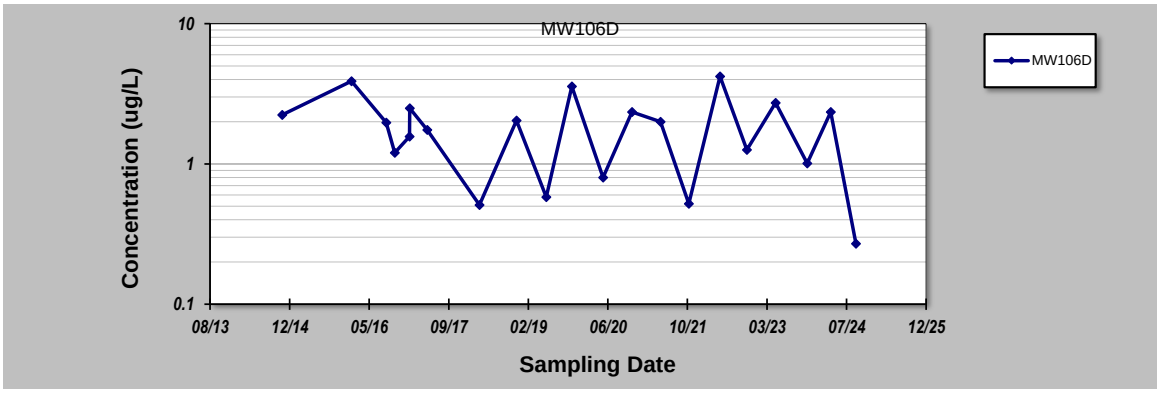
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW106D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	10/11/2014	2.24
2	19/01/2016	3.89
3	25/08/2016	1.97
4	17/10/2016	1.2
5	19/01/2017	1.57
6	20/01/2017	2.5
7	9/05/2017	1.75
8	3/04/2018	0.51
9	21/11/2018	2.04
10	28/05/2019	0.58
11	4/11/2019	3.57
12	19/05/2020	0.8
13	17/11/2020	2.35
14	14/05/2021	2
15	8/11/2021	0.52
16	24/05/2022	4.21
17	8/11/2022	1.26
18	8/05/2023	2.73
19	23/11/2023	1.01
20	19/04/2024	2.35
21	24/09/2024	0.27
22		
23		
24		
25		
Coefficient of Variation:		0.60
Mann-Kendall Statistic (S):		-23
Confidence Factor:		74.5%
Concentration Trend:		Stable



Notes:

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2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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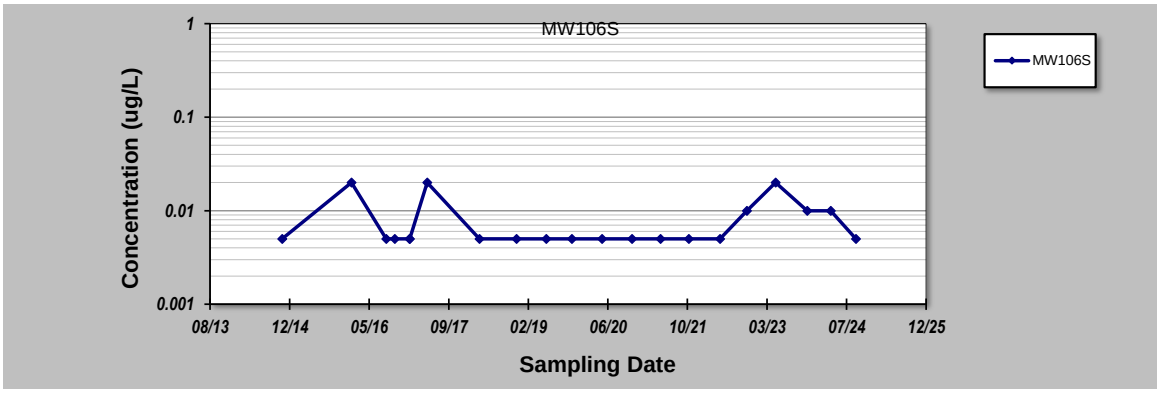
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L
Sampling Point ID:	MW106S		

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	10/11/2014	0.005
2	19/01/2016	0.02
3	25/08/2016	0.005
4	17/10/2016	0.005
5	19/01/2017	0.005
6	20/01/2017	0.005
7	9/05/2017	0.02
8	3/04/2018	0.005
9	21/11/2018	0.005
10	28/05/2019	0.005
11	4/11/2019	0.005
12	12/05/2020	0.005
13	17/11/2020	0.005
14	14/05/2021	0.005
15	8/11/2021	0.005
16	24/05/2022	0.005
17	8/11/2022	0.01
18	8/05/2023	0.02
19	23/11/2023	0.01
20	19/04/2024	0.01
21	24/09/2024	0.005
22		
23		
24		
25		
Coefficient of Variation:		0.68
Mann-Kendall Statistic (S):		27
Confidence Factor:		78.1%
Concentration Trend:		No Trend



Notes:

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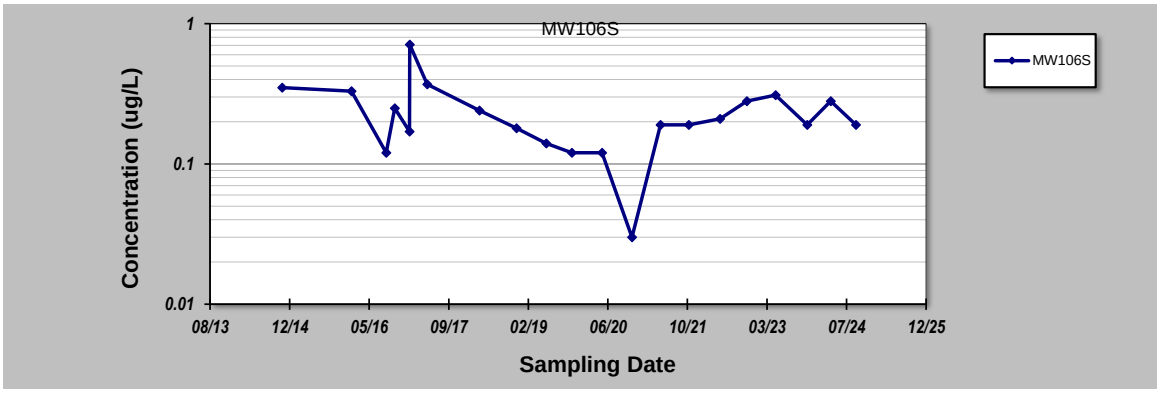
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	5-Dec-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW106S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	10/11/2014	0.35
2	19/01/2016	0.33
3	25/08/2016	0.12
4	17/10/2016	0.25
5	19/01/2017	0.17
6	20/01/2017	0.71
7	9/05/2017	0.37
8	3/04/2018	0.24
9	21/11/2018	0.18
10	28/05/2019	0.14
11	4/11/2019	0.12
12	12/05/2020	0.12
13	17/11/2020	0.03
14	14/05/2021	0.19
15	8/11/2021	0.19
16	24/05/2022	0.21
17	8/11/2022	0.28
18	8/05/2023	0.31
19	23/11/2023	0.19
20	19/04/2024	0.28
21	24/09/2024	0.19
22		
23		
24		
25		
Coefficient of Variation:		0.58
Mann-Kendall Statistic (S):		-16
Confidence Factor:		67.3%
Concentration Trend:		Stable



Notes:

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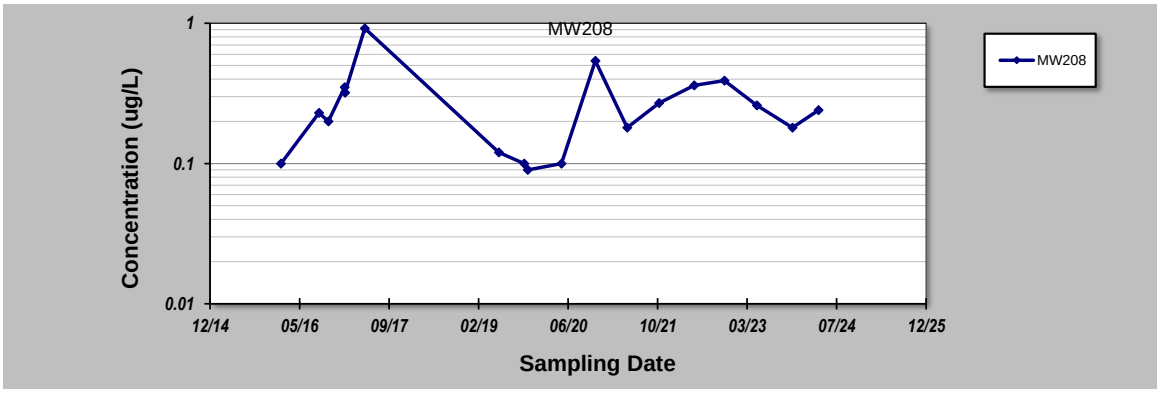
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW208

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	27/01/2016	0.1
2	26/08/2016	0.23
3	18/10/2016	0.2
4	17/01/2017	0.35
5	19/01/2017	0.32
6	9/05/2017	0.92
7	28/05/2019	0.12
8	17/10/2019	0.1
9	6/11/2019	0.09
10	12/05/2020	0.1
11	17/11/2020	0.54
12	14/05/2021	0.18
13	8/11/2021	0.27
14	24/05/2022	0.36
15	8/11/2022	0.39
16	8/05/2023	0.26
17	23/11/2023	0.18
18	17/04/2024	0.24
19		
20		
Coefficient of Variation:		0.73
Mann-Kendall Statistic (S):		15
Confidence Factor:		70.0%
Concentration Trend:		No Trend



Notes:

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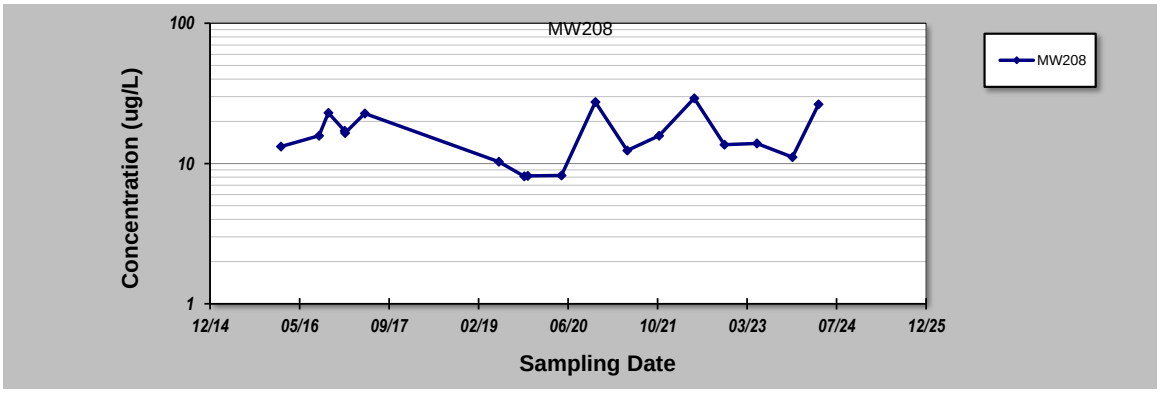
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW208

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	27/01/2016	13.2
2	26/08/2016	15.8
3	18/10/2016	23
4	17/01/2017	17.1
5	19/01/2017	16.52
6	9/05/2017	22.7
7	28/05/2019	10.31
8	17/10/2019	8.11
9	6/11/2019	8.16
10	12/05/2020	8.23
11	17/11/2020	27.4
12	14/05/2021	12.4
13	8/11/2021	15.8
14	24/05/2022	29.2
15	8/11/2022	13.6
16	8/05/2023	13.9
17	23/11/2023	11.1
18	17/04/2024	26.4
19		
20		
Coefficient of Variation:		0.42
Mann-Kendall Statistic (S):		6
Confidence Factor:		57.4%
Concentration Trend:		No Trend



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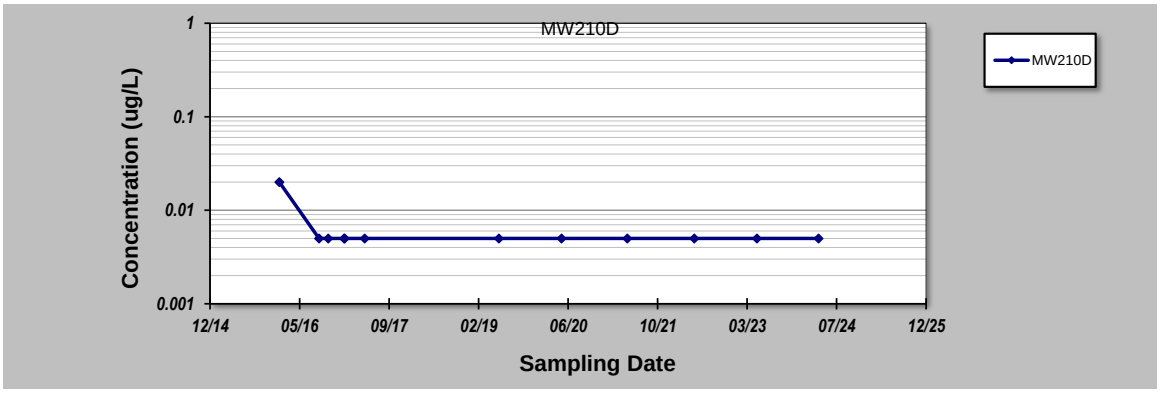
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW210D

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	18/01/2016	0.02
2	26/08/2016	0.005
3	17/10/2016	0.005
4	13/01/2017	0.005
5	16/01/2017	0.005
6	8/05/2017	0.005
7	28/05/2019	0.005
8	12/05/2020	0.005
9	14/05/2021	0.005
10	24/05/2022	0.005
11	8/05/2023	0.005
12	17/04/2024	0.005
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.69
Mann-Kendall Statistic (S):		-11
Confidence Factor:		74.9%
Concentration Trend:		N/A



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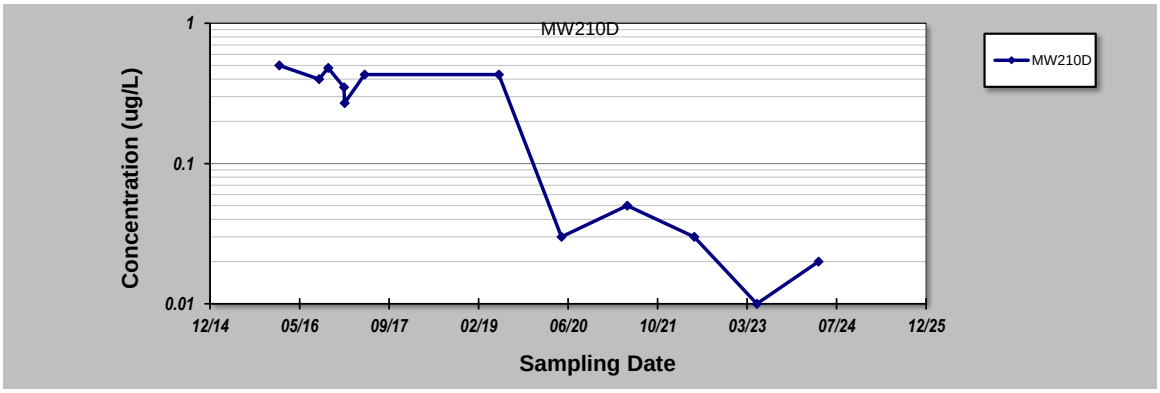
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW210D

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	18/01/2016	0.5
2	26/08/2016	0.4
3	17/10/2016	0.48
4	13/01/2017	0.35
5	16/01/2017	0.27
6	8/05/2017	0.43
7	28/05/2019	0.43
8	12/05/2020	0.03
9	14/05/2021	0.05
10	24/05/2022	0.03
11	8/05/2023	0.01
12	17/04/2024	0.02
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.82
Mann-Kendall Statistic (S):		-46
Confidence Factor:		100.0%
Concentration Trend:		Decreasing



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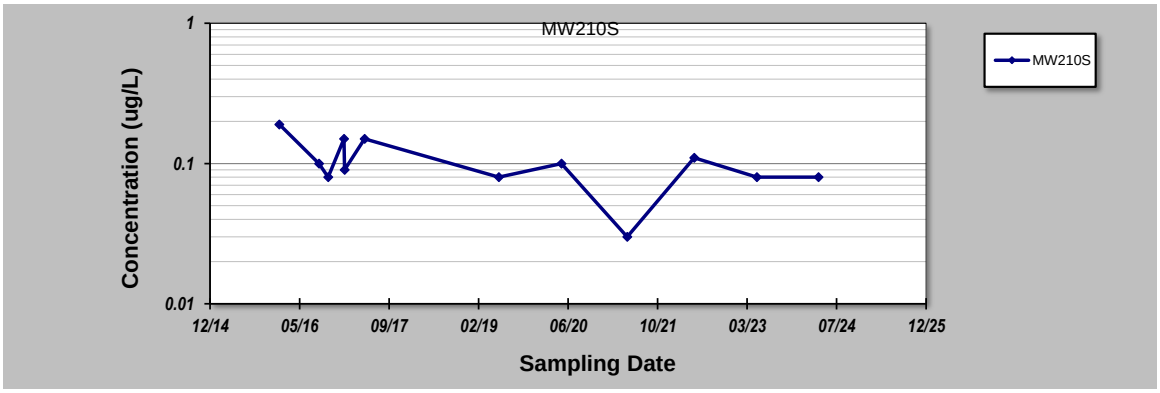
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW210S

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	18/01/2016	0.19
2	26/08/2016	0.1
3	17/10/2016	0.08
4	13/01/2017	0.15
5	16/01/2017	0.09
6	8/05/2017	0.15
7	28/05/2019	0.08
8	12/05/2020	0.1
9	14/05/2021	0.03
10	24/05/2022	0.11
11	8/05/2023	0.08
12	17/04/2024	0.08
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.41
Mann-Kendall Statistic (S):		-24
Confidence Factor:		94.2%
Concentration Trend:		Prob. Decreasing



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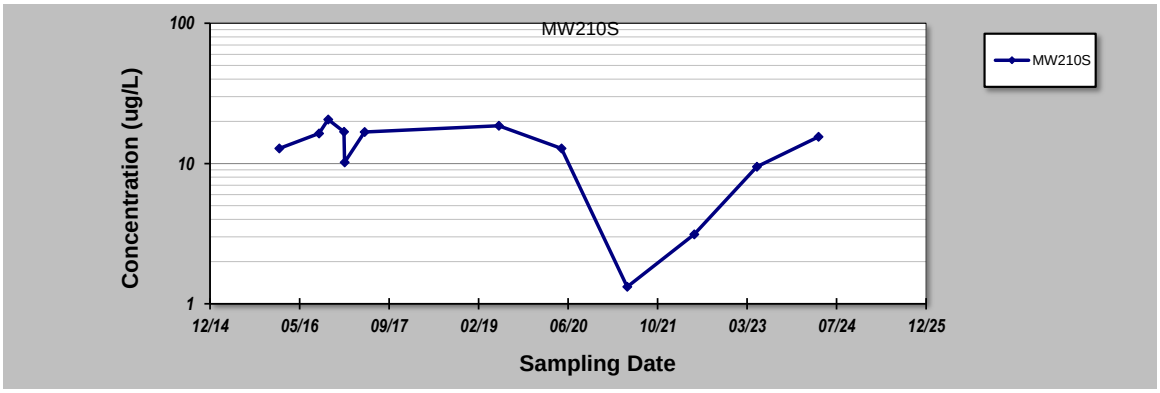
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW210S

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	18/01/2016	12.82
2	26/08/2016	16.4
3	17/10/2016	20.6
4	13/01/2017	16.84
5	16/01/2017	10.2
6	8/05/2017	16.8
7	28/05/2019	18.6
8	12/05/2020	12.8
9	14/05/2021	1.32
10	24/05/2022	3.13
11	8/05/2023	9.48
12	17/04/2024	15.5
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.46
Mann-Kendall Statistic (S):		-20
Confidence Factor:		90.2%
Concentration Trend:		Prob. Decreasing



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW304						
Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)						
1	2/07/2018	0.1						
2	17/10/2019	0.18						
3	27/05/2021	0.08						
4	23/04/2024	0.33						
5								
6								
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14								
15								
16								
17								
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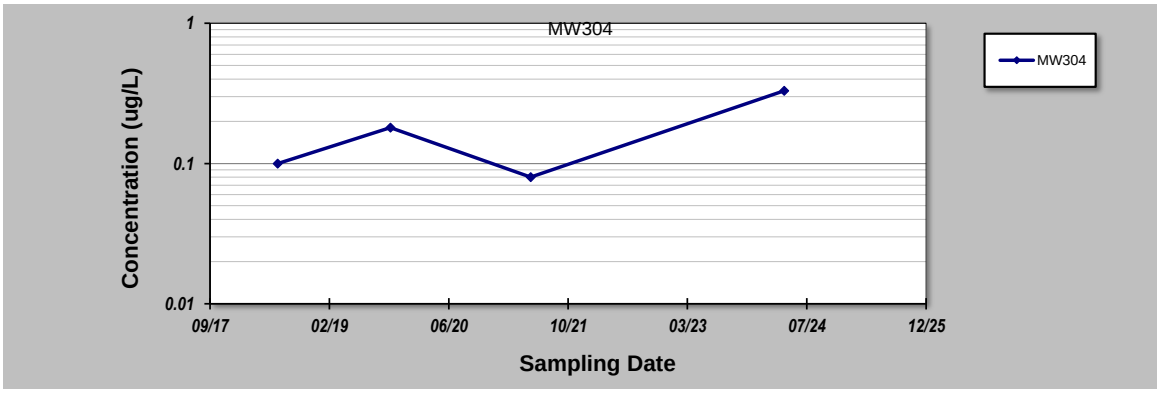
19								
20								
Coefficient of Variation:		0.66						
Mann-Kendall Statistic (S):		2						
Confidence Factor:		62.5%						
Concentration Trend:		No Trend						



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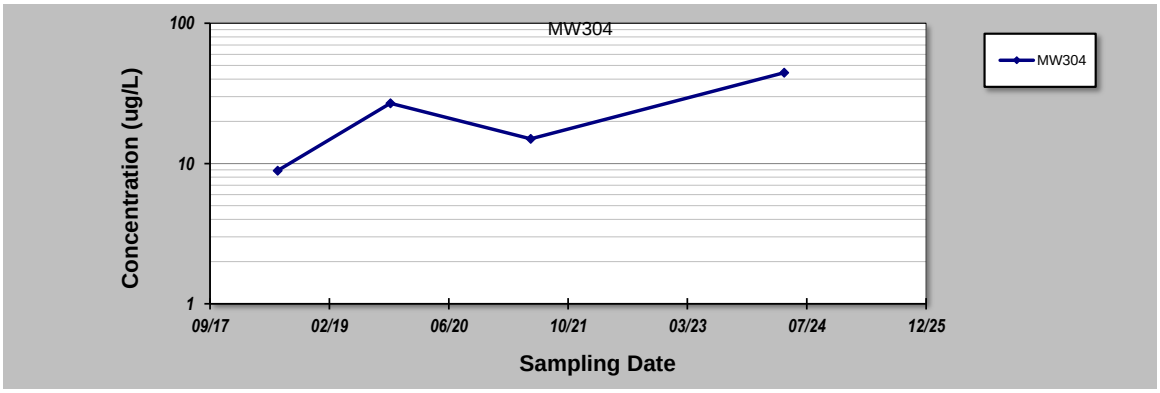
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW304

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	2/07/2018	8.9
2	17/10/2019	26.9
3	27/05/2021	15
4	23/04/2024	44.4
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.66
Mann-Kendall Statistic (S):		4
Confidence Factor:		83.3%
Concentration Trend:		No Trend



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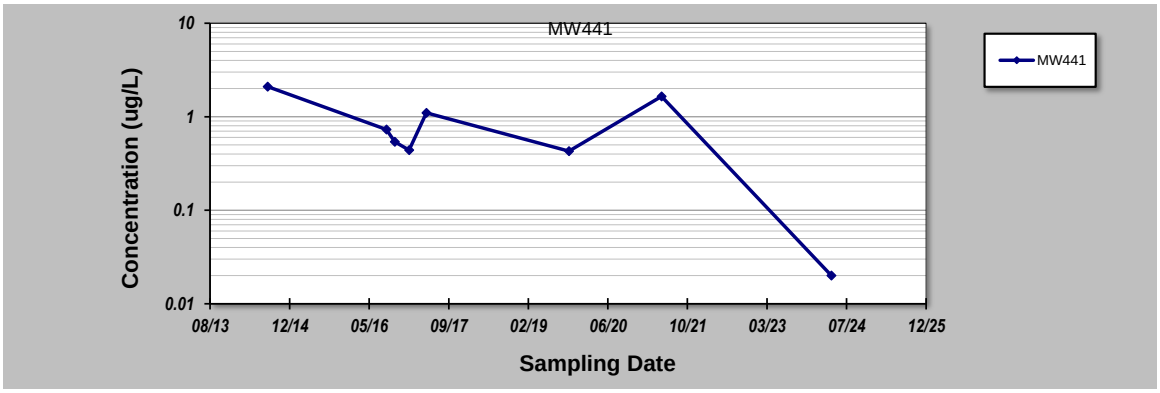
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L
Sampling Point ID:	MW441		

Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)
1	11/08/2014	2.1
2	26/08/2016	0.73
3	18/10/2016	0.54
4	16/01/2017	0.44
5	4/05/2017	1.1
6	17/10/2019	0.43
7	21/05/2021	1.65
8	23/04/2024	0.02
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.80
Mann-Kendall Statistic (S):		-12
Confidence Factor:		91.1%
Concentration Trend:		Prob. Decreasing



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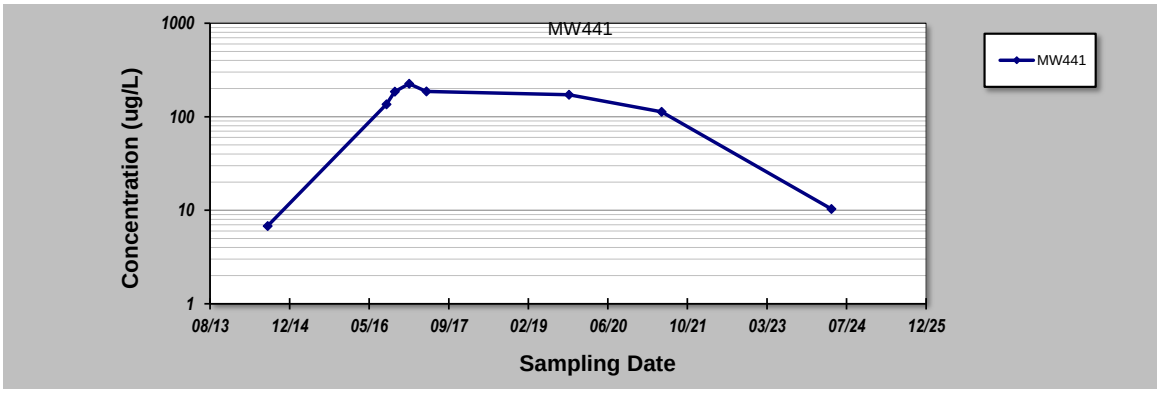
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW441

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	11/08/2014	6.8
2	26/08/2016	135.8
3	18/10/2016	185.9
4	16/01/2017	225.2
5	4/05/2017	186.2
6	17/10/2019	172
7	21/05/2021	113
8	23/04/2024	10.3
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.63
Mann-Kendall Statistic (S):		-2
Confidence Factor:		54.8%
Concentration Trend:		Stable



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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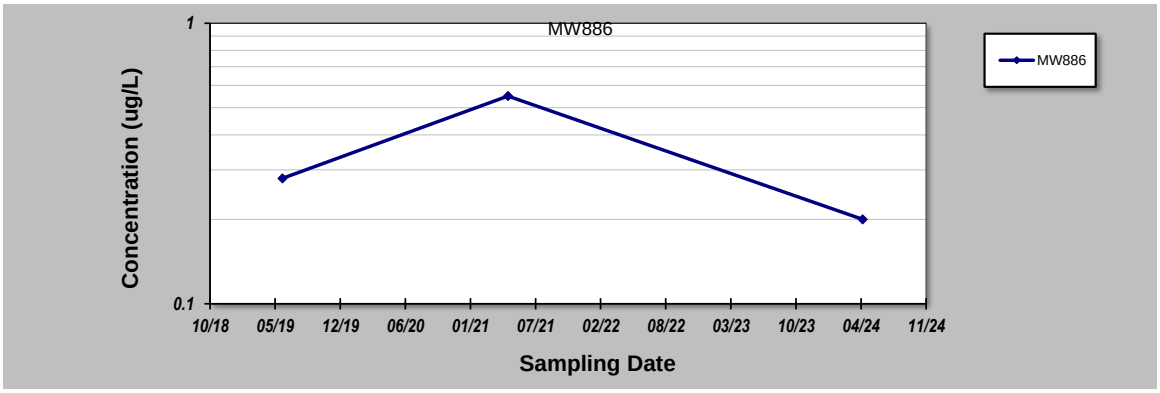
AECOM

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOA
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID:	MW886						
Sampling Event	Sampling Date	PFOA CONCENTRATION (ug/L)						
1	6/06/2019	0.28						
2	29/04/2021	0.55						
3	23/04/2024	0.2						
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.53						
Mann-Kendall Statistic (S):		-1						
Confidence Factor:								
Concentration Trend:		N/A						



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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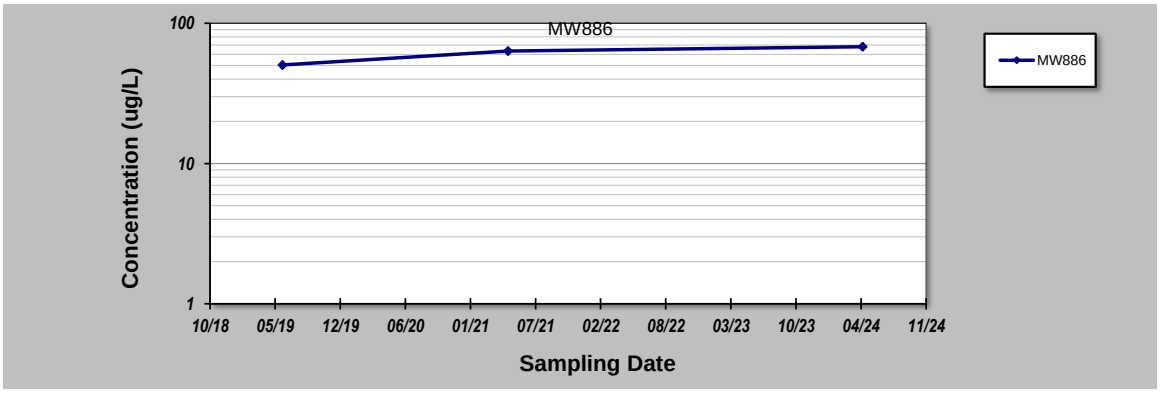
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	19-Nov-24	Job ID:	60569462
Facility Name:	On Base: Trade Waste Treatment	Constituent:	PFOS+PFHxS
Conducted By:	HB/JR	Concentration Units:	ug/L

Sampling Point ID: MW886

Sampling Event	Sampling Date	PFOS+PFHXS CONCENTRATION (ug/L)
1	6/06/2019	50.4
2	29/04/2021	63.3
3	23/04/2024	68
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.15
Mann-Kendall Statistic (S):		3
Confidence Factor:		
Concentration Trend:		N/A



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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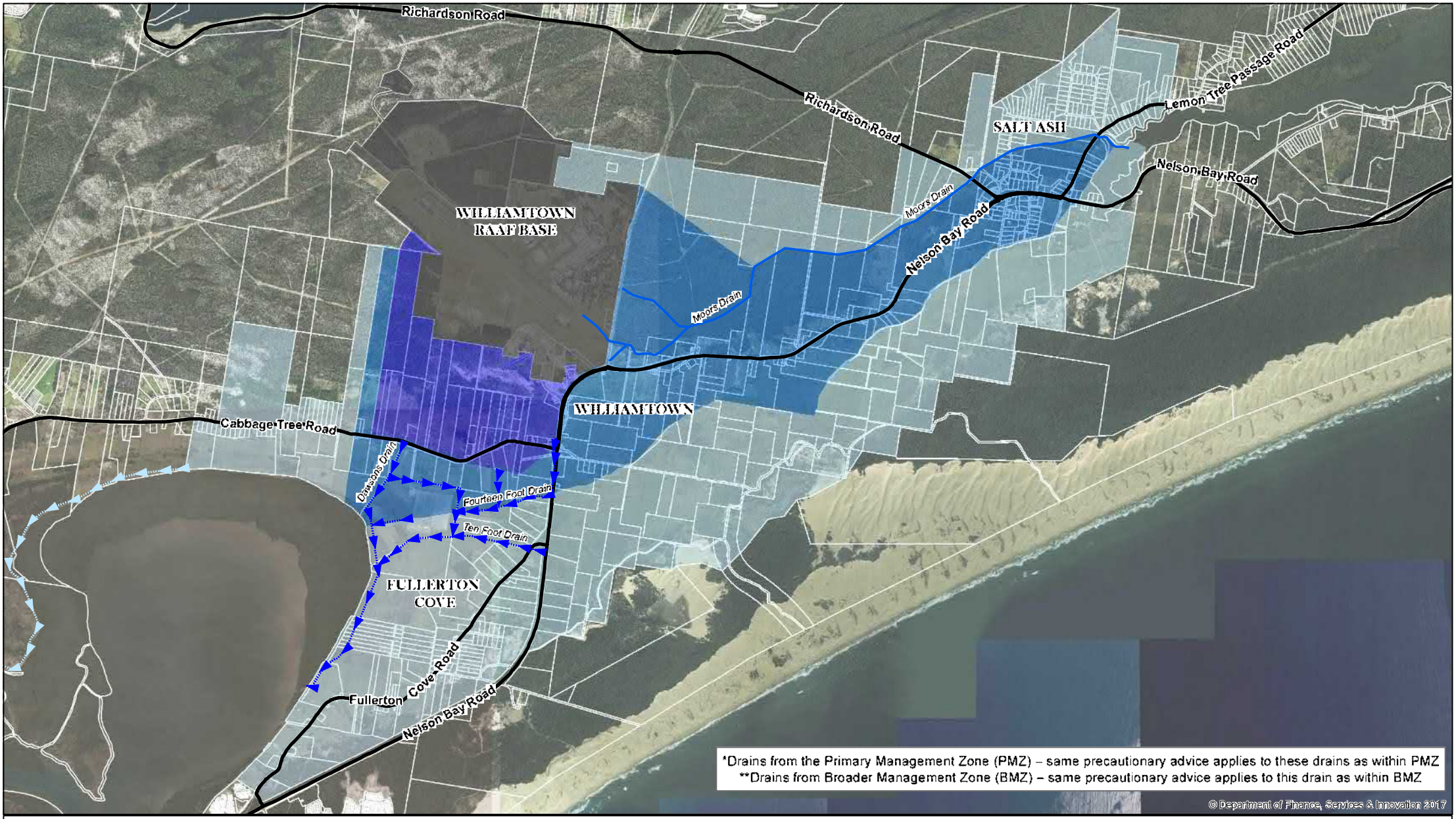
Appendix D

Management Area



Primary Management Zone
Secondary Management Zone
Broader Management Zone
Williamtown RAAF Base
Property Boundary
Roads
Moors Drain
Drains from Primary Management Zone*
Drains from Broader Management Zone**

Williamtown Management Area

Map Created 19/12/2017

N

0 1,000 2,000 Metres

NSW GOVERNMENT

Williamtown Management Area Map

The Williamtown Management Area comprises three zones:

- **Primary Management Zone –** this area has significantly higher levels of PFAS and therefore the strongest advice applies.
- **Secondary Management Zone –** this area has some elevated levels of PFAS.
- **Broader Management Zone –** the topography and hydrology of the area means PFAS detections could occur now and into the future.

Each zone has tailored precautionary advice for residents to minimise exposure to PFAS originating from the RAAF Base Williamtown.

The map is based on many sources of information, including:

- The Defence Human Health Risk Assessment monitoring data (released 5 December 2017)
- The location of drainage lines, creeks and other surface water features
- The height of land above sea level
- The location of property boundaries and roads
- Surface water and groundwater flow information based on actual measured data, and modelled data for where contamination may flow in the future.

The map also shows drains leading from the Primary Management Zone (marked as dark blue arrows) and Moors Drain in the Secondary Management Zone (marked with a blue line). The precautionary advice for the area in which the drain is located applies.

Following feedback from the community, the EPA has been working with a group of water experts and the Williamtown Community Reference Group to improve the maps for the various management zones:

- Property boundaries have been overlaid to easily identify individual properties.
- Names of main roads have been included for easy reference
- The three zones within the Management Area are now identified by three shades of blue, representing the concentrations of PFAS detected. This also improves ease of access for visually-impaired people.
- There are now three close-up versions of Fullerton Cove, Williamtown and Salt Ash

Appendix E

Data Deviations

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW106D	10 Nov 2014	MW106D_10112014	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.14*		**2.24**	
MW106D	19 Jan 2016	MW106D_19012016	Normal	NSW_0908_PFAS	On-base	-	**0.66**		<0.01		**3.89**	
MW106D	25 Aug 2016	MW106D_250816	Normal	NSW_0908_PFAS	On-base	-	0.14		*0.77*		**1.97**	
MW106D	17 Oct 2016	MW106D_171016	Normal	NSW_0908_PFAS	On-base	-	0.1		*0.36*		**1.2**	
MW106D	19 Jan 2017	MW106D_1901117	Normal	NSW_0908_PFAS	On-base	-	0.13		*0.82*		**1.57**	
MW106D	19 Jan 2017	MW106D_190117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		<0.01		<0.01	
MW106D	20 Jan 2017	MW106D_GW_170120	Normal	NSW_0908_PFAS	On-base	-	0.16		*0.7*		**2.5**	
MW106D	09 May 2017	MW106D_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.22		*0.65*		**1.75**	
MW106D	03 Apr 2018	MW106D_GW_03042018	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.1*		**0.51**	
MW106D	21 Nov 2018	0908_MW106D_181121	Normal	NSW_0908_PFAS	On-base	-	0.05		*1.3*		**2.04**	
MW106D	28 May 2019	0908_MW106D_190528	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.24*		**0.58**	
MW106D	04 Nov 2019	0908_MW106D_191104	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*2.22*		**3.57**	
MW106D	19 May 2020	0908_MW106D_200519	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.49*		**0.8**	
MW106D	17 Nov 2020	0908_MW106_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*1.93*		**2.35**	
MW106D	14 May 2021	0908_MW106D_210514	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*1.23*		**2**	
MW106D	08 Nov 2021	0908_MW106D_211108	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.22*		**0.52**	
MW106D	24 May 2022	0908_MW106D_220524	Normal	NSW_0908_PFASOMP	On-base	-	0.14		*1.64*		**4.21**	
MW106D	08 Nov 2022	0908_MW106D_221108	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*0.48*		**1.26**	
MW106D	08 May 2023	0908_MW106D_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.08		*1.21*		**2.73**	
MW106D	23 Nov 2023	0908_MW106D_231123	Normal	NSW_0908_PFASOMP_23	On-base	-	0.03		*0.39*		**1.01**	
MW106D	19 Apr 2024	0908_MW106D_240419	Normal	NSW_0908_PFASOMP_24	On-base	-	0.06		*0.84*		**2.35**	
MW106D	24 Sep 2024	0908_MW106D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.18*		**0.27**	
MW106S	10 Nov 2014	MW106S_10112014	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		**0.35**	
MW106S	19 Jan 2016	MW106S_19012016	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.06*		**0.33**	
MW106S	25 Aug 2016	MW106S_250816	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		**0.12**	
MW106S	17 Oct 2016	MW106S_171016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		**0.25**	
MW106S	19 Jan 2017	MW106S_1901117	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		**0.17**	
MW106S	19 Jan 2017	MW106S_190117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		<0.01		<0.01	
MW106S	19 Jan 2017	QC115_190117	Field_D	ACTNSW_Hist_202012-3	On-base	-	<0.01		<0.01		<0.01	
MW106S	20 Jan 2017	MW106S_GW_170120	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		**0.71**	
MW106S	09 May 2017	MW106S_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*0.07*		**0.37**	
MW106S	03 Apr 2018	MW106S_GW_03042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		**0.24**	
MW106S	21 Nov 2018	0908_MW106S_181121	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		**0.18**	
MW106S	28 May 2019	0908_MW106S_190528	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		**0.14**	
MW106S	04 Nov 2019	0908_MW106S_191104	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		**0.12**	
MW106S	12 May 2020	0908_MW106S_200512	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		**0.12**	
MW106S	17 Nov 2020	0908_MW106_S_201117	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.01*		0.03	
MW106S	14 May 2021	0908_MW106S_210514	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.03*		**0.19**	
MW106S	08 Nov 2021	0908_MW106S_211108	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		**0.19**	
MW106S	24 May 2022	0908_MW106S_220524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		**0.21**	
MW106S	08 Nov 2022	0908_MW106S_221108	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.03*		**0.28**	
MW106S	08 May 2023	0908_MW106S_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02		*0.08*		**0.31**	
MW106S	23 Nov 2023	0908_MW106S_231123	Normal	NSW_0908_PFASOMP_23	On-base	-	0.01		*0.08*		**0.19**	
MW106S	19 Apr 2024	0908_MW106S_240419	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		*0.18*	New Maximum	**0.28**	
MW106S	24 Sep 2024	0908_MW106S_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.14*		**0.19**	
MW108D	17 Nov 2014	MW108-D_17112014	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.11**	
MW108D	21 Jan 2016	MW108D_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW108D	29 Aug 2016	MW108D_290816	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.01*		0.04	
MW108D	17 Oct 2016	MW108D_171016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		0.03	
MW108D	13 Jan 2017	MW108D_130117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.04*		**0.47**	
MW108D	24 Jan 2017	MW108D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**1.14**	
MW108D	07 Mar 2017	MW108D_070317	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.56**	
MW108D	02 May 2017	MW108D_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.01*		**0.56**	
MW108D	04 Apr 2018	MW108D_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.4**	
MW108D	04 Apr 2018	MW108D_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.41**	
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.37**	
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.38**	
MW108D	31 May 2019	0908_MW108D_190531	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.38**	
MW108D	31 May 2019	0908_MW108D_190531	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.39**	
MW108D	31 May 2019	0908_QC105_190531	Field_D	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.37**	
MW108D	31 May 2019	0908_QC105_190531	Field_D	NSW_0908_PFAS	On-base	-	-		-		**0.38**	
MW108D	31 May 2019	0908_QC205_190531	Interlab_D	NSW_0908_PFAS	On-base	-	<0.01		<0.02		**0.38**	
MW108D	08 Nov 2019	0908_MW108D_191108	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.46**	
MW108D	11 May 2020	0908_MW108D_200511	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.44**	
MW108D	17 Nov 2020	0908_MW108_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.23**	
MW108D	17 May 2021	0908_MW108D_210517	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.55**	
MW108D	10 Nov 2021	0908_MW108D_211110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**1.41**	
MW108D	19 May 2022	0908_MW108D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.21**	
MW108D	10 Nov 2022	0908_MW108D_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.36**	
MW108D	10 May 2023	0908_MW108D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02		<0.01		**1.56**	
MW108D	10 May 2023	0908_QC219_230510	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		**1.6**	
MW108D	22 Nov 2023	0908_MW108D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		**0.44**	
MW108D	17 Apr 2024	0908_MW108D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.03	New Maximum	<0.01		**1.48**	
MW108D	24 Sep 2024	0908_MW108D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*0.02*		**1.42**	
MW108S	17 Nov 2014	MW108-S_17112014	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.23**	
MW108S	21 Jan 2016	MW108S_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW108S	29 Aug 2016	MW108S_290816	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.13*		**2.03**	
MW108S	17 Oct 2016	MW108S_171016	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.2*		**2.6**	
MW108S	13 Jan 2017	MW108S_130117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*0.38*		**1.16**	
MW108S	24 Jan 2017	MW108S_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.46*		**1.45**	
MW108S	02 May 2017	MW108S_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*0.11*		**0.93**	
MW108S	04 Apr 2018	MW108S_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.27**	
MW108S	09 Aug 2018	0908_MW108S_180809	Normal	NSW_0908_PFASMGMT	On-base	-	0.32		*0.06*		**3.03**	
MW108S	05 Sep 2018	0908_MW108S_180905	Normal	NSW_0908_PFASMGMT	On-base	-	0.35		*0.09*		**3.31**	
MW108S	03 Oct 2018	0908_MW108S_181003	Normal	NSW_0908_PFASMGMT	On-base	-	**0.57**		*0.1*		**5.9**	
MW108S	03 Oct 2018	0908_QC106_181003	Field_D	NSW_0908_PFASMGMT	On-base	-	**0.58**		*0.11*		**5.95**	
MW108S	03 Oct 2018	0908_QC206_181003	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.48		<0.02		**4**	
MW108S	29 Nov 2018	0908_MW108S_181129	Normal	NSW_0908_PFAS	On-base	-	0.55		*0.07*		**4.53**	
MW108S	22 Jan 2019	0908_MW108S_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.40		*0.08*		**3.98**	
MW108S	01 Apr 2019	0908_MW108S_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.22		*0.16*		**2.65**	
MW108S	31 May 2019	0908_MW108S_190531	Normal	NSW_0908_PFAS	On-base	-	0.07		*0.12*		**0.35**	
MW108S	20 Jun 2019	0908_MW108S_190620	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*0.09*		**0.32**	
MW108S	24 Sep 2019	0908_MW108S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.02		*0.06*		**2.15**	
MW108S	08 Nov 2019	0908_MW108S_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*0.12*		**3.25**	
MW108S	28 Nov 2019	0908_MW108S_191128	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.12*		**2.75**	
MW108S	16 Mar 2020	0908_MW108S_200316	Normal	NSW_0908_PFASMGMT	On-base	-	0.01		*0.2*		**0.45**	
MW108S	11 May 2020	0908_MW108S_200511	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.27*		**0.47**	
MW108S	22 Jun 2020	0908_MW108S_200622	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.04*		**0.33**	
MW108S	22 Jun 2020	0908_QC100_200622	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.04*		**0.33**	
MW108S	22 Jun 2020	0908_QC200_200622	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.04*		**0.3**	
MW108S	30 Sep 2020	0908_MW108S_200930	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.06*		**0.21**	
MW108S	17 Nov 2020	0908_MW108_S_201117	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.03*		**0.34**	
MW108S	13 Jan 2021	0908_MW108_S_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.09*		**0.91**	
MW108S	13 Jan 2021	0908_QC101_210113	Field_D	NSW_0908_PFASMGMT	On-base	-	0.03		*0.08*		**0.85**	
MW108S	13 Jan 2021	0908_QC201_210113	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.034*		**0.644**	
MW108S	17 May 2021	0908_MW108S_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*0.12*		**0.84**	
MW108S	23 Jun 2021	0908_MW108S_210623	Normal	NSW_0908_PFASMGMT	On-base	-	0.08		*0.13*		**1.01**	
MW108S	05 Nov 2021	0908_MW108S_211105	Normal	NSW_0908_PFASMGMT	On-base	-	0.02		*0.1*		**1.01**	
MW108S	05 Nov 2021	0908_QC101_211105	Field_D	NSW_0908_PFASMGMT	On-base	-	0.02		*0.1*		**1**	
MW108S	10 Nov 2021	0908_MW108S_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.09*		**0.79**	
MW108S	10 Nov 2021	0908_QC203_211110	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.08*		**0.82**	
MW108S	12 Jan 2022	0908_MW108S_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.05		*0.08*		**1.15**	
MW108S	14 Mar 2022	0908_MW108S_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*0.1*		**0.72**	
MW108S	19 May 2022	0908_MW108S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*0.83*		**1.45**	
MW108S	20 Jun 2022	0908_MW108S_220620	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.92*		**1.52**	
MW108S	12 Sep 2022	0908_MW108S_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*2.02*		**2.63**	
MW108S	10 Nov 2022	0908_MW108S_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*1.66*		**2.21**	
MW108S	10 May 2023	0908_MW108S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.42		*4.03*		**6.89**	
MW108S	22 Nov 2023	0908_MW108S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.23		*4.68*		**6.14**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW108S	17 Apr 2024	0908_MW108S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		*2.06*		**2.2**	
MW108S	24 Sep 2024	0908_MW108S_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*2.69*		**2.95**	
MW109D	17 Nov 2014	MW109-D_17112014	Normal	NSW_0908_PFAS	On-base	-	**0.83**		*44*		**51.5**	
MW109D	02 Feb 2016	MW109D_02022016	Normal	NSW_0908_PFAS	On-base	-	**0.67**		*24.5*		**24.5**	
MW109D	29 Aug 2016	MW109D_290816	Normal	NSW_0908_PFAS	On-base	-	0.42		*34*		**37.9**	
MW109D	19 Oct 2016	MW109D_191016	Normal	NSW_0908_PFAS	On-base	-	0.34		*15*		**16.6**	
MW109D	12 Jan 2017	MW109D_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.49		*35*		**39**	
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	**0.89**		*49.4*		**56.69**	
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**56.7**	
MW109D	02 May 2017	MW109D_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.37		*22*		**25.1**	
MW109D	20 Apr 2018	MW109D_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.94*		**1.53**	
MW109D	14 Sep 2018	0908_MW109D_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.02		*3.25*		**3.41**	
MW109D	13 Dec 2018	0908_MW109D_181213	Normal	NSW_0908_PFAS	On-base	-	0.07		*6.22*		**7**	
MW109D	13 Dec 2018	0908_QC112_181213	Field_D	NSW_0908_PFAS	On-base	-	0.07		*6.35*		**7.15**	
MW109D	31 May 2019	0908_MW109D_190531	Normal	NSW_0908_PFAS	On-base	-	0.02		*3.98*		**4.15**	
MW109D	08 Nov 2019	0908_MW109D_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.20		*14*		**15.9**	
MW109D	23 Nov 2020	0908_MW109_D_201123	Normal	NSW_0908_PFASOMP	On-base	-	0.14		*2.98*		**5.83**	
MW109D	23 Nov 2020	0908_QC106_201123	Field_D	NSW_0908_PFASOMP	On-base	-	0.15		*3.11*		**6.12**	
MW109D	23 Nov 2020	0908_QC206_201123	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.11		*2.6*		**5.1**	
MW109D	17 May 2021	0908_MW109D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.50		*14.9*		**20.5**	
MW109D	16 Nov 2021	0908_MW109D_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.54		*15.4*		**21.9**	
MW109D	19 May 2022	0908_MW109D_220519	Normal	NSW_0908_PFASOMP	On-base	-	**0.60**		*30.9*		**37.4**	
MW109D	10 Nov 2022	0908_MW109D_221110	Normal	NSW_0908_PFASOMP	On-base	-	**0.76**		*26.4*		**34.3**	
MW109D	26 May 2023	0908_MW109D_230526	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05		*3.82*		**4.48**	
MW109D	22 Nov 2023	0908_MW109D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	**0.88**		*9.64*		**22.5**	
MW109D	18 Apr 2024	0908_MW109D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		*1.16*		**1.27**	New Minimum
MW109D	24 Sep 2024	0908_MW109D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10		*7.16*		**8.38**	
MW134D	13 Apr 2015	MW134-D_20150413	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW134D	04 Feb 2016	MW134D_04022016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW134D	04 Feb 2016	QC127_WG_04022016	Field_D	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW134D	05 Sep 2016	MW134D_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.07	
MW134D	19 Oct 2016	MW134D_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.2*		**0.25**	
MW134D	18 Jan 2017	MW134D_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.1*		**0.12**	
MW134D	18 Jan 2017	QC108_180117	Field_D	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.08*		**0.1**	
MW134D	25 Jan 2017	MW134D_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.17*		**0.27**	
MW134D	09 May 2017	MW134D_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.05*		0.07	
MW134D	19 Apr 2018	MW134D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		**0.14**	
MW134D	30 Nov 2018	0908_MW134D_181130	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		**0.11**	
MW134D	29 May 2019	0908_MW134D_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.06*		**0.1**	
MW134D	06 Nov 2019	0908_MW134D_191107	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW134D	15 May 2020	0908_MW134D_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.02	
MW134D	07 Dec 2020	0908_MW134_D_201207	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW134D	24 May 2021	0908_MW134D_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.04	
MW134D	18 Nov 2021	0908_MW134D_211118	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.01*		0.03	
MW134D	30 May 2022	0908_MW134D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.02*		0.05	
MW134D	14 Nov 2022	0908_MW134D_221114	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.02*		0.06	
MW134D	12 May 2023	0908_MW134D_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.02*		0.04	
MW134D	12 May 2023	0908_QC114_230512	Field_D	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.02	
MW134D	12 May 2023	0908_QC214_230512	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.01*		0.03	
MW134D	22 Nov 2023	0908_MW134D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.01	
MW134D	17 Apr 2024	0908_MW134D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		<0.01		0.02	
MW134I	13 Apr 2015	MW134-I_20150413	Normal	NSW_0908_PFAS	On-base	-	0.01		<0.01		0.04	
MW134I	04 Feb 2016	MW134I_04022016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		0.04	
MW134I	05 Sep 2016	MW134I_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.21*		**0.24**	
MW134I	19 Oct 2016	MW134L_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.13*		**0.16**	
MW134I	25 Jan 2017	MW134I_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		**0.1**	
MW134I	09 May 2017	MW134I_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.06*		**0.08**	
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.08**	
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.09**	
MW134I	30 Nov 2018	0908_MW134I_181130	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.03*		**0.08**	
MW134I	29 May 2019	0908_MW134I_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		0.05	
MW134I	06 Nov 2019	0908_MW134I_191107	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.02*		0.05	
MW134I	15 May 2020	0908_MW134I_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW134I	07 Dec 2020	0908_MW134_I_201207	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.02*		0.02	
MW134I	24 May 2021	0908_MW134I_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.08**	
MW134I	18 Nov 2021	0908_MW134I_211118	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.02*		0.05	
MW134I	18 Nov 2021	0908_QC209_211118	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.01*		0.05	
MW134I	30 May 2022	0908_MW134I_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW134I	14 Nov 2022	0908_MW134I_221114	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW134I	12 May 2023	0908_MW134I_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.01*		0.04	
MW134I	22 Nov 2023	0908_MW134I_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.02	
MW134I	17 Apr 2024	0908_MW134I_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.03	New Maximum	*1.42*	New Maximum	**1.8**	New Maximum
MW155	21 Jan 2016	MW155_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.31*		**0.31**	
MW155	07 Sep 2016	MW155_070916	Normal	NSW_0908_PFAS	On-base	-	0.02		*1.1*		**1.4**	
MW155	19 Oct 2016	MW155_191016	Normal	NSW_0908_PFAS	On-base	-	0.01		*1.2*		**1.41**	
MW155	12 Jan 2017	MW155_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*1.5*		**1.72**	
MW155	13 Jan 2017	MW155_D_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.01		*1.1*		**1.29**	
MW155	01 Feb 2017	MW155_GW_010217	Normal	NSW_0908_PFAS	On-base	-	0.09		*0.67*		**0.74**	
MW155	20 Apr 2018	MW155_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.69*		**1.08**	
MW155	21 Nov 2018	0908_MW155_181121	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.64*		**0.99**	
MW155	28 May 2019	0908_MW155_190528	Normal	NSW_0908_PFAS	On-base	-	<0.01		*1.26*		**1.51**	
MW155	12 May 2020	0908_MW155_200512	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.87*		**1.24**	
MW155	24 May 2021	0908_MW155_210524	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.61*		**1.08**	
MW155	08 May 2023	0908_MW155_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.08		*1.23*		**1.43**	
MW155	31 Jul 2024	0908_MW155_240731	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*0.55*		**0.76**	
MW155	31 Jul 2024	0908_QC101_240731	Field_D	NSW_0908_PFASOMP_24	On-base	-	0.02		*0.56*		**0.73**	
MW155	31 Jul 2024	0908_QC201_240731	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	0.02		*0.45*		**0.65**	
MW166	13 Jan 2016	MW166_13012016	Normal	NSW_0908_PFAS	On-base	-	0.07		*27.4*		**27.4**	
MW166	01 Sep 2016	MW166_010916	Normal	NSW_0908_PFAS	On-base	-	0.06		*28*		**28.78**	
MW166	01 Sep 2016	QC106_010916	Field_D	NSW_0908_PFAS	On-base	-	0.03		*13*		**13.35**	
MW166	12 Oct 2016	MW166_121016	Normal	NSW_0908_PFAS	On-base	-	0.04		*20*		**20.68**	
MW166	17 Jan 2017	MW166_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.4		*120*		**126.2**	
MW166	17 Jan 2017	MW166_170117	Normal	NSW_0908_PFAS	On-base	-	0.4		*120*		**126.2**	
MW166	17 Jan 2017	MW166_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.1		*21.3*		**21.9**	
MW166	17 Jan 2017	MW166_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**21.92**	
MW166	03 May 2017	MW166_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.06		*12*		**12.52**	
MW166	04 Apr 2018	MW166_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	0.05		*23.5*		**24.2**	
MW166	04 Apr 2018	MW166_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**24.18**	
MW166	29 Nov 2018	0908_MW166_181129	Normal	NSW_0908_PFAS	On-base	-	0.03		*17.8*		**18.1**	
MW166	01 Apr 2019	0908_MW166_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*17.6*		**17.9**	
MW166	20 Jun 2019	0908_MW166_190620	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*14.3*		**14.6**	
MW166	24 Sep 2019	0908_MW166_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*18.2*		**18.5**	
MW166	06 Nov 2019	0908_MW166_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*14.6*		**15**	
MW166	29 Nov 2019	0908_MW166_191129	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*14.6*		**14.8**	
MW166	13 Mar 2020	0908_MW166_200313	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*14.8*		**15.2**	
MW166	13 May 2020	0908_MW166_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*17.6*		**17.9**	
MW166	16 Nov 2020	0908_MW166_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*15.2*		**15.6**	
MW166	18 May 2021	0908_MW166_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.11		*12.1*		**14.4**	
MW166	18 Nov 2021	0908_MW166_211118	Normal	NSW_0908_PFASMGMT	On-base	-	0.05		*13.7*		**14.5**	
MW166	18 Nov 2021	0908_MW166_211118	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*14*		**14.9**	
MW166	25 May 2022	0908_MW166_220525	Normal	NSW_0908_PFASMGMT	On-base	-	0.11		*14.5*		**15.8**	
MW166	25 May 2022	0908_MW166_220525	Normal	NSW_0908_PFASOMP	On-base	-	0.09		*12.6*		**13.6**	
MW166	09 Nov 2022	0908_MW166_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*6.74*		**7.58**	
MW166	10 May 2023	0908_MW166_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05		*18.6*		**18.9**	
MW166	22 Nov 2023	0908_MW166_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02		*8.45*		**8.56**	
MW166	17 Apr 2024	0908_MW166_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*12*		**12.2**	
MW166	24 Sep 2024	0908_MW166_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*12.2*		**12.4**	
MW167	13 Jan 2016	MW167_13012016	Normal	NSW_0908_PFAS	On-base	-	**0.61**		*164*		**174.3**	
MW167	01 Sep 2016	MW167_010916	Normal	NSW_0908_PFAS	On-base	-	**1.6**		*120*		**144**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW167	01 Sep 2016	QC108_010916	Field_D	NSW_0908_PFAS	On-base	-	**1.9**		*150*		**177**	
MW167	12 Oct 2016	MW167_121016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*110*		**129**	
MW167	17 Jan 2017	MW167_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	**3.4**		*240*		**272**	
MW167	17 Jan 2017	MW167_170117	Normal	NSW_0908_PFAS	On-base	-	**3.4**		*240*		**272**	
MW167	17 Jan 2017	MW167_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	**4.31**		*276*		**302**	
MW167	17 Jan 2017	MW167_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**302.5**	
MW167	18 Jan 2017	MW167_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	**5.58**		*440*		**522**	
MW167	18 Jan 2017	MW167_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**522.5**	
MW167	03 May 2017	MW167_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	**3.3**		*150*		**176**	
MW167	03 May 2017	QC102_030517	Field_D	ACTNSW_Hist_202012-3	On-base	-	**2.3**		*240*		**271**	
MW167	23 Nov 2017	0908_MW167_231117	Normal	NSW_0908_PFAS	On-base	-	**5.24**		*426*		**464**	
MW167	23 Nov 2017	0908_MW167_231117	Normal	NSW_0908_PFAS	On-base	-	-		-		**463.5**	
MW167	23 Nov 2017	0908_QC100_231117	Field_D	NSW_0908_PFAS	On-base	-	**5.25**		*358*		**396**	
MW167	23 Nov 2017	0908_QC100_231117	Field_D	NSW_0908_PFAS	On-base	-	-		-		**395.9**	
MW167	18 Apr 2018	MW167_GW_18042018	Normal	NSW_0908_PFAS	On-base	-	**3.02**		*465*		**496**	
MW167	18 Apr 2018	MW167_GW_18042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**495.6**	
MW167	08 Aug 2018	0908_MW167_180808	Normal	NSW_0908_PFASMGMT	On-base	-	**0.87**		*102*		**109**	
MW167	04 Sep 2018	0908_MW167_180905	Normal	NSW_0908_PFASMGMT	On-base	-	**1.91**		*274*		**290**	
MW167	02 Oct 2018	0908_MW167_181002	Normal	NSW_0908_PFASMGMT	On-base	-	**6.85**		*522*		**547**	
MW167	29 Nov 2018	0908_MW167_181129	Normal	NSW_0908_PFAS	On-base	-	**4.56**		*372*		**398**	
MW167	29 Nov 2018	0908_MW167_181129	Normal	NSW_0908_PFAS	On-base	-	-		-		**398.4**	
MW167	29 Nov 2018	0908_QC107_181129	Field_D	NSW_0908_PFAS	On-base	-	**3.95**		*346*		**372**	
MW167	29 Nov 2018	0908_QC107_181129	Field_D	NSW_0908_PFAS	On-base	-	-		-		**371.8**	
MW167	22 Jan 2019	0908_MW167_190122	Normal	NSW_0908_PFASMGMT	On-base	-	**2.46**		*490*		**506**	
MW167	02 Apr 2019	0908_MW167_190402	Normal	NSW_0908_PFASMGMT	On-base	-	**1.63**		*546*		**563**	
MW167	30 May 2019	0908_MW167_190530	Normal	NSW_0908_PFAS	On-base	-	**1.25**		*391*		**402**	
MW167	30 May 2019	0908_MW167_190530	Normal	NSW_0908_PFAS	On-base	-	-		-		**402.3**	
MW167	19 Jun 2019	0908_MW167_190619	Normal	NSW_0908_PFASMGMT	On-base	-	**0.9**		*412*		**421**	
MW167	24 Sep 2019	0908_MW167_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.56		*219*		**222**	
MW167	24 Sep 2019	0908_QC101_190924	Field_D	NSW_0908_PFASMGMT	On-base	-	**0.74**		*199*		**203**	
MW167	06 Nov 2019	0908_MW167_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.54		*158*		**160**	
MW167	29 Nov 2019	0908_MW167_191129	Normal	NSW_0908_PFASMGMT	On-base	-	**0.57**		*200*		**202**	
MW167	16 Mar 2020	0908_MW167_200316	Normal	NSW_0908_PFASMGMT	On-base	-	**0.66**		*196*		**198**	
MW167	13 May 2020	0908_MW167_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.53		*161*		**163**	
MW167	13 May 2020	0908_QC101_200513	Field_D	NSW_0908_PFASOMP	On-base	-	**0.57**		*172*		**174**	
MW167	13 May 2020	0908_QC201_200513	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.39		*110*		**111.5**	
MW167	16 Nov 2020	0908_MW167_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.19		*72.1*		**73.3**	
MW167	18 May 2021	0908_MW167_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.24		*63.8*		**65**	
MW167	18 Nov 2021	0908_MW167_211118	Normal	NSW_0908_PFASMGMT	On-base	-	0.08		*64.8*		**65.4**	
MW167	18 Nov 2021	0908_MW167_211118	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*45*		**45.5**	
MW167	25 May 2022	0908_MW167_220525	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*1.9*		**2.17**	
MW167	25 May 2022	0908_MW167_220525	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*2.44*		**2.75**	
MW167	21 Jun 2022	0908_MW167_220621	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*84.6*		**84.7**	
MW167	09 Nov 2022	0908_MW167_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*22.8*		**23**	
MW167	10 May 2023	0908_MW167_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02		*29.3*		**29.7**	
MW167	22 Nov 2023	0908_MW167_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.05		*45.8*		**46.4**	
MW167	17 Apr 2024	0908_MW167_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.05		*27.6*		**28.1**	
MW167	24 Sep 2024	0908_MW167_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10		*24.5*		**25.4**	
MW168	13 Jan 2016	MW168_13012016	Normal	NSW_0908_PFAS	On-base	-	0.18		*42.9*		**42.9**	
MW168	02 Sep 2016	MW168_020916	Normal	NSW_0908_PFAS	On-base	-	0.2		*48*		**50.4**	
MW168	02 Sep 2016	QC110_020916	Field_D	NSW_0908_PFAS	On-base	-	0.23		*61*		**63.4**	
MW168	12 Oct 2016	MW168_121016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*31*		**45**	
MW168	17 Jan 2017	MW168_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.05		*20*		**20.52**	
MW168	17 Jan 2017	MW168_170117	Normal	NSW_0908_PFAS	On-base	-	0.05		*20*		**20.52**	
MW168	17 Jan 2017	MW168_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.56		*90.8*		**94.4**	
MW168	17 Jan 2017	MW168_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**94.43**	
MW168	03 May 2017	MW168_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.56		*59*		**68.9**	
MW168	23 Apr 2018	MW168_GW_23042018	Normal	NSW_0908_PFAS	On-base	-	0.3		*78.3*		**83.2**	
MW168	23 Apr 2018	MW168_GW_23042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**83.21**	
MW168	08 Aug 2018	0908_MW168_180808	Normal	NSW_0908_PFASMGMT	On-base	-	0.30		*29.5*		**32.6**	
MW168	03 Sep 2018	0908_MW168_180903	Normal	NSW_0908_PFASMGMT	On-base	-	**1.24**		*58.2*		**73.7**	
MW168	03 Sep 2018	0908_QC100_180903	Field_D	NSW_0908_PFASMGMT	On-base	-	**1.30**		*56.9*		**70.9**	
MW168	03 Sep 2018	0908_QC200-180903	Interlab_D	NSW_0908_PFASMGMT	On-base	-	**1.0**		*48*		**58**	
MW168	02 Oct 2018	0908_MW168_181002	Normal	NSW_0908_PFASMGMT	On-base	-	0.34		*75.5*		**79.9**	
MW168	02 Oct 2018	0908_QC104_181002	Field_D	NSW_0908_PFASMGMT	On-base	-	0.35		*66.7*		**71.4**	
MW168	02 Oct 2018	0908_QC204_181002	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.23		*61*		**64**	
MW168	29 Nov 2018	0908_MW168_181129	Normal	NSW_0908_PFAS	On-base	-	0.08		*34.2*		**35.6**	
MW168	29 Nov 2018	0908_MW168_181129	Normal	NSW_0908_PFAS	On-base	-	-		-		**35.56**	
MW168	29 Nov 2018	0908_QC108_181129	Field_D	NSW_0908_PFAS	On-base	-	0.25		*11.6*		**15.4**	
MW168	29 Nov 2018	0908_QC108_181129	Field_D	NSW_0908_PFAS	On-base	-	-		-		**15.35**	
MW168	22 Jan 2019	0908_MW168_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.10		*41.5*		**44.6**	
MW168	01 Apr 2019	0908_MW168_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.11		*24.6*		**26.8**	
MW168	31 May 2019	0908_MW168_190531	Normal	NSW_0908_PFAS	On-base	-	0.07		*23.3*		**24.58**	
MW168	31 May 2019	0908_MW168_190531	Normal	NSW_0908_PFAS	On-base	-	-		-		**24.6**	
MW168	20 Jun 2019	0908_MW168_190620	Normal	NSW_0908_PFASMGMT	On-base	-	0.09		*13.5*		**15**	
MW168	24 Sep 2019	0908_MW168S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.16		*25.9*		**28.1**	
MW168	06 Nov 2019	0908_MW168_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.09		*19.6*		**20.8**	
MW168	29 Nov 2019	0908_MW168_191129	Normal	NSW_0908_PFASMGMT	On-base	-	0.06		*16.5*		**17.5**	
MW168	29 Nov 2019	0908_QC202_191129	Field_D	NSW_0908_PFASMGMT	On-base	-	0.06		*15*		**16**	
MW168	29 Nov 2019	0908_QC102_191129	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.047		*16*		**16.97**	
MW168	13 Mar 2020	0908_MW168_200313	Normal	NSW_0908_PFASMGMT	On-base	-	0.10		*26.1*		**28**	
MW168	13 Mar 2020	0908_QC100_200313	Field_D	NSW_0908_PFASMGMT	On-base	-	0.10		*25.4*		**27.3**	
MW168	13 May 2020	0908_MW168_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.11		*22.3*		**24.5**	
MW168	16 Nov 2020	0908_MW168_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.25		*2.95*		**3.53**	
MW168	18 May 2021	0908_MW168_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.51		*9.84*		**14.2**	
MW168	18 Nov 2021	0908_MW168_211118	Normal	NSW_0908_PFASMGMT	On-base	-	0.09		*25.6*		**27.1**	
MW168	18 Nov 2021	0908_MW168_211118	Normal	NSW_0908_PFASOMP	On-base	-	0.15		*20.7*		**22.6**	
MW168	26 May 2022	0908_MW168_220526	Normal	NSW_0908_PFASMGMT	On-base	-	0.32		*14.6*		**18.1**	
MW168	26 May 2022	0908_MW168_220526	Normal	NSW_0908_PFASOMP	On-base	-	0.24		*7.87*		**11.3**	
MW168	26 May 2022	0908_QC203_220526	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.28		*17*		**21**	
MW168	09 Nov 2022	0908_MW168_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.18		*4.24*		**5.04**	
MW168	10 May 2023	0908_MW168_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.44		*44.4*		**50.6**	
MW168	22 Nov 2023	0908_MW168_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07		*9.25*		**9.91**	
MW168	17 Apr 2024	0908_MW168_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.26		*26.5*		**28.6**	
MW168	24 Sep 2024	0908_MW168_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	**1.97**	New Maximum	*1.98*		**4.86**	
MW169D	13 Jan 2016	MW169D_13012016	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.31*		**0.31**	
MW169D	02 Sep 2016	MW169D_020916	Normal	NSW_0908_PFAS	On-base	-	0.05		*0.5*		**4.6**	
MW169D	12 Oct 2016	MW169D_121016	Normal	NSW_0908_PFAS	On-base	-	0.05		*0.85*		**5.75**	
MW169D	16 Jan 2017	MW169D_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.07		*0.47*		**4.47**	
MW169D	16 Jan 2017	MW169D_160117	Normal	NSW_0908_PFAS	On-base	-	0.07		*0.47*		**4.47**	
MW169D	17 Jan 2017	MW169D_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.13		*0.65*		**7.37**	
MW169D	03 May 2017	MW169D_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.1		*0.82*		**8.32**	
MW169D	22 Nov 2017	0908_MW169D_221117	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.28*		**8.08**	
MW169D	30 May 2019	0908_MW169D_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.11*		**0.26**	
MW169D	06 Nov 2019	0908_MW169D_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.09		*0.71*		**6.25**	
MW169D	06 Nov 2019	0908_QC103_191107	Field_D	NSW_0908_PFASOMP	On-base	-	0.09		*0.67*		**6.11**	
MW169D	07 Nov 2019	0908_QC203_191107	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.062		*0.52*		**5.72**	
MW169D	13 May 2020	0908_MW169D_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*0.28*		**2.46**	
MW169D	16 Nov 2020	0908_MW169_D_201116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.06*		**0.39**	
MW169D	18 May 2021	0908_MW169D_210518	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.09*		**0.52**	
MW169D	16 Nov 2021	0908_MW169D_211116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.08*		**0.29**	
MW169D	19 May 2022	0908_MW169D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.08*		**0.18**	
MW169D	09 Nov 2022	0908_MW169D_221109	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.06*		**0.18**	
MW169D	09 Nov 2022	0908_QC113_221109	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.08*		**0.27**	
MW169D	09 Nov 2022	0908_QC213_221109	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.06*		**0.22**	
MW169D	10 May 2023	0908_MW169D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.06*		**0.12**	
MW169D	22 Nov 2023	0908_MW169D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.04*		**0.09**	
MW169D	22 Nov 2023	0908_QC106_231122	Field_D	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.04*		**0.09**	
MW169D	22 Nov 2023	0908_QC206_231122	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.04*		**0.09**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW169D	17 Apr 2024	0908_MW169D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.04*		0.06	New Minimum
MW169D	24 Sep 2024	0908_MW169D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.08*		**0.18**	
MW169D	24 Sep 2024	0908_QC108_240924	Field_D	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.07*		**0.16**	
MW169D	24 Sep 2024	0908_QC208_240924	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.08*		**0.18**	
MW169S	13 Jan 2016	MW169S_13012016	Normal	NSW_0908_PFAS	On-base	-	0.05		*0.2*		**0.2**	
MW169S	02 Sep 2016	MW169S_020916	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.2*		**0.6**	
MW169S	12 Oct 2016	MW169S_121016	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.23*		**0.61**	
MW169S	16 Jan 2017	MW169S_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.06		*0.11*		**0.62**	
MW169S	16 Jan 2017	MW169S_160117	Normal	NSW_0908_PFAS	On-base	-	0.06		*0.11*		**0.62**	
MW169S	17 Jan 2017	MW169S_GW_17012017	Normal	NSW_0908_PFAS	On-base	-	0.08		*0.16*		**0.84**	
MW169S	03 May 2017	MW169S_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.05		*0.18*		**1.06**	
MW169S	05 Sep 2018	0908_MW169S_180905	Normal	NSW_0908_PFASMGMT	On-base	-	0.06		*0.08*		**0.94**	
MW169S	22 Jan 2019	0908_MW169S_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.05*		**0.61**	
MW169S	30 May 2019	0908_MW169S_190530	Normal	NSW_0908_PFAS	On-base	-	0.03		*0.17*		**0.52**	
MW169S	24 Sep 2019	0908_MW169S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.02		*0.1*		**0.56**	
MW169S	06 Nov 2019	0908_MW169S_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.15*		**0.52**	
MW169S	13 May 2020	0908_MW169S_200513	Normal	NSW_0908_PFASOMP	On-base	-	<0.05		*0.31*		**0.57**	
MW169S	16 Nov 2020	0908_MW169_S_201116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.13*		**0.34**	
MW169S	18 May 2021	0908_MW169S_210518	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.11*		**0.38**	
MW169S	16 Nov 2021	0908_MW169S_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.11*		**0.26**	
MW169S	19 May 2022	0908_MW169S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.12*		**0.25**	
MW169S	09 Nov 2022	0908_MW169S_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.08*		**0.23**	
MW169S	10 May 2023	0908_MW169S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.07*		**0.23**	
MW169S	22 Nov 2023	0908_MW169S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.04*		**0.18**	
MW169S	17 Apr 2024	0908_MW169S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.07*		**0.32**	
MW169S	24 Sep 2024	0908_MW169S_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.07*		**0.16**	New Minimum
MW171D	15 Jan 2016	MW171D_15012016	Normal	NSW_0908_PFAS	On-base	-	0.12		*4.97*		**4.97**	
MW171D	31 Aug 2016	MW171D_310816	Normal	NSW_0908_PFAS	On-base	-	0.03		*2.2*		**2.67**	
MW171D	12 Oct 2016	MW171D_121016	Normal	NSW_0908_PFAS	On-base	-	0.02		*1.5*		**1.91**	
MW171D	13 Jan 2017	MW171D_130117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*1.1*		**1.43**	
MW171D	24 Jan 2017	MW171D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.18*		**0.79**	
MW171D	24 Jan 2017	MW171D_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.42**	
MW171D	03 May 2017	MW171D_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.03		*1.8*		**2.54**	
MW171D	04 Apr 2018	MW171D_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		**0.57**	
MW171D	22 Nov 2018	0908_MW171D_181122	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.99*		**1.19**	
MW171D	30 May 2019	0908_MW171D_190530	Normal	NSW_0908_PFAS	On-base	-	0.03		*2.23*		**2.58**	
MW171D	25 Oct 2019	0908_MW171D_191025	Normal	NSW_0908_PFASMGMT	On-base	-	0.09		*2.93*		**3.93**	
MW171D	15 May 2020	0908_MW171D_200515	Normal	NSW_0908_PFASOMP	On-base	-	0.07		*0.47*		**1.2**	
MW171D	17 May 2021	0908_MW171D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*0.03*		**0.51**	
MW171D	19 May 2022	0908_MW171D_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.01*		**0.94**	
MW171D	10 May 2023	0908_MW171D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.04*		**0.51**	
MW171D	17 Apr 2024	0908_MW171D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.03		*0.04*		**1.52**	
MW171S	15 Jan 2016	MW171S_15012016	Normal	NSW_0908_PFAS	On-base	-	0.22		*0.89*		**0.89**	
MW171S	31 Aug 2016	MW171S_310816	Normal	NSW_0908_PFAS	On-base	-	0.23		*1.6*		**4.2**	
MW171S	12 Oct 2016	MW171S_121016	Normal	NSW_0908_PFAS	On-base	-	0.25		*2.5*		**5**	
MW171S	13 Jan 2017	MW171S_130117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.32		*2.9*		**4.9**	
MW171S	24 Jan 2017	MW171S_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	**0.64**		*4.65*		**10.1**	
MW171S	03 May 2017	MW171S_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.21		*1.7*		**4.6**	
MW171S	04 Apr 2018	MW171S_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	0.14		*2.26*		**4.64**	
MW171S	09 Aug 2018	0908_MW171S_180809	Normal	NSW_0908_PFASMGMT	On-base	-	0.14		*2.05*		**3.99**	
MW171S	05 Sep 2018	0908_HW171S_180905	Normal	NSW_0908_PFASMGMT	On-base	-	0.10		*1.1*		**3.02**	
MW171S	03 Oct 2018	0908_MW171S_181003	Normal	NSW_0908_PFASMGMT	On-base	-	0.17		*2.09*		**4.75**	
MW171S	22 Nov 2018	0908_MW171S_181122	Normal	NSW_0908_PFAS	On-base	-	0.3		*1.89*		**4.56**	
MW171S	22 Jan 2019	0908_MW171S_190122	Normal	NSW_0908_PFASMGMT	On-base	-	0.20		*1.8*		**4.59**	
MW171S	01 Apr 2019	0908_MW171S_190401	Normal	NSW_0908_PFASMGMT	On-base	-	0.11		*9.91*		**12**	
MW171S	01 Apr 2019	0908_QC101_190401	Field_D	NSW_0908_PFASMGMT	On-base	-	0.10		*9.56*		**11.5**	
MW171S	01 Apr 2019	0908_QC201_190401	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.063		*8.6*		**10.3**	
MW171S	20 Jun 2019	0908_MW171S_190620	Normal	NSW_0908_PFAS	On-base	-	0.06		*1.83*		**2.57**	
MW171S	24 Sep 2019	0908_MW171S_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.07		*1.03*		**1.99**	
MW171S	25 Oct 2019	0908_MW171S_191025	Normal	NSW_0908_PFASMGMT	On-base	-	0.02		*1.02*		**1.33**	
MW171S	29 Nov 2019	0908_MW171s_191129	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.65*		**0.86**	
MW171S	29 Nov 2019	0908_QC100_191129	Field_D	NSW_0908_PFASMGMT	On-base	-	0.03		*0.69*		**0.9**	
MW171S	29 Nov 2019	0908_QC200_191129	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.020		<0.02		**0.19**	
MW171S	13 Mar 2020	0908_MW171S_200316	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*0.56*		**1.18**	
MW171S	15 May 2020	0908_MW171S_200515	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*1.74*		**2.46**	
MW171S	23 Jun 2020	0908_MW171S_200623	Normal	NSW_0908_PFASMGMT	On-base	-	0.06		*0.32*		**0.75**	
MW171S	23 Jun 2020	0908_QC101_200623	Field_D	NSW_0908_PFASMGMT	On-base	-	0.06		*0.32*		**0.72**	
MW171S	23 Jun 2020	0908_QC201_200623	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.043		*0.16*		**0.52**	
MW171S	30 Sep 2020	0908_MW171S_200930	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.31*		**0.77**	
MW171S	30 Sep 2020	0908_QC100_200930	Field_D	NSW_0908_PFASMGMT	On-base	-	0.04		*0.46*		**1.12**	
MW171S	30 Sep 2020	0908_QC200_200930	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.031		*0.23*		**0.66**	
MW171S	13 Jan 2021	0908_MW171_S_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.72*		**0.97**	
MW171S	26 Mar 2021	0908_MW171_S_210326	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.31*		**0.49**	
MW171S	17 May 2021	0908_MW171S_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*0.66*		**1.05**	
MW171S	24 Jun 2021	0908_MW171S_210624	Normal	NSW_0908_PFASMGMT	On-base	-	0.06		*0.48*		**0.76**	
MW171S	24 Sep 2021	0908_MW171S_210924	Normal	NSW_0908_PFASMGMT	On-base	-	0.11		*0.73*		**0.98**	
MW171S	24 Sep 2021	0908_QC201_210924	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.12		*0.82*		**1.1**	
MW171S	12 Jan 2022	0908_MW171S_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.15		*0.65*		**1.08**	
MW171S	12 Jan 2022	0908_QC100_220112	Field_D	NSW_0908_PFASMGMT	On-base	-	0.16		*0.65*		**1.1**	
MW171S	12 Jan 2022	0908_QC200_220112	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.13		*0.48*		**0.92**	
MW171S	14 Mar 2022	0908_MW171S_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.14		*0.76*		**1.23**	
MW171S	14 Mar 2022	0908_QC100_220314	Field_D	NSW_0908_PFASMGMT	On-base	-	0.12		*0.69*		**1.14**	
MW171S	14 Mar 2022	0908_QC200_220314	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.13		*0.66*		**1.2**	
MW171S	19 May 2022	0908_MW171S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.09		*0.87*		**1.45**	
MW171S	21 Jun 2022	0908_MW171S_220621	Normal	NSW_0908_PFASMGMT	On-base	-	0.08		*1.49*		**2.14**	
MW171S	21 Jun 2022	0908_QC201_220621	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.08		*1.9*		**2.4**	
MW171S	12 Sep 2022	0908_MW171S_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.06		*1.16*		**1.96**	
MW171S	12 Sep 2022	0908_QC100_220912	Field_D	NSW_0908_PFASMGMT	On-base	-	0.05		*1.21*		**2.05**	
MW171S	10 May 2023	0908_MW171S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07		*0.63*		**1.42**	
MW171S	17 Apr 2024	0908_MW171S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.04		*0.46*		**1.07**	
MW172	14 Jan 2016	MW172_14012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW172	14 Jan 2016	QC102_WG_14012016	Field_D	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW172	02 Sep 2016	MW172_020916	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.1*		**0.13**	
MW172	12 Oct 2016	MW172_121016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.05*		0.07	
MW172	16 Jan 2017	MW172_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.03*		0.06	
MW172	16 Jan 2017	MW172_160117	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.03*		0.06	
MW172	25 Jan 2017	MW172_GW_25012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.02	
MW172	03 May 2017	MW172_030517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.31*		**0.43**	
MW172	09 Aug 2018	0908_MW172_180809	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		<0.01	
MW172	05 Sep 2018	0908_MW172_180905	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		<0.01	
MW172	03 Oct 2018	0908_MW172_181003	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		0.02	
MW172	29 Nov 2018	0908_MW172_181129	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		0.03	
MW172	29 Nov 2018	0908_MW172_181129	Normal	NSW_0908_PFAS	On-base	-	-		-		0.04	
MW172	23 Jan 2019	0908_MW172_190123	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		0.06	
MW172	02 Apr 2019	0908_MW172_190402	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.04*		**0.22**	
MW172	30 May 2019	0908_MW172_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.09**	
MW172	30 May 2019	0908_MW172_190530	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.1**	
MW172	20 Jun 2019	0908_MW172_190620	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.02*		**0.08**	
MW172	24 Sep 2019	0908_MW172_190924	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		**0.09**	
MW172	06 Nov 2019	0908_MW172_191107	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.09**	
MW172	29 Nov 2019	0908_MW172_191129	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		**0.08**	
MW172	29 Nov 2019	0908_QC101_191129	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		**0.08**	
MW172	29 Nov 2019	0908_QC201_191129	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.02		**0.073**	
MW172	13 Mar 2020	0908_MW172_200313	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.03*		**0.19**	
MW172	15 May 2020	0908_MW172_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.09**	
MW172	22 Jun 2020	0908_MW172_200622	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		0.06	
MW172	30 Sep 2020	0908_MW172_200930	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.01*		**0.82**	
MW172	30 Sep 2020	0908_QC101_200930	Field_D	NSW_0908_PFASMGMT	On-base	-	0.01		*0.02*		**1.27**	
MW172	30 Sep 2020	0908_QC201_200930	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.02		**0.8**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW172	16 Nov 2020	0908_MW172_201116	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.25**	
MW172	14 Jan 2021	0908_MW172_210114	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		**0.42**	
MW172	26 Mar 2021	0908_MW172_210326	Normal	NSW_0908_PFASMGMT	On-base	-	0.12		*0.07*		**1.15**	
MW172	17 May 2021	0908_MW172_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.10		*0.05*		**2.03**	
MW172	24 Jun 2021	0908_MW172_210624	Normal	NSW_0908_PFASMGMT	On-base	-	0.02		*0.02*		**0.42**	
MW172	24 Sep 2021	0908_MW172_210924	Normal	NSW_0908_PFASMGMT	On-base	-	0.01		*0.01*		**0.16**	
MW172	24 Sep 2021	0908_QC102_210924	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		**0.12**	
MW172	24 Sep 2021	0908_QC202_210924	Interlab_D	NSW_0908_PFASMGMT	On-base	-	<0.01		<0.01		**0.1**	
MW172	10 Nov 2021	0908_MW172_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.05*		**0.26**	
MW172	12 Jan 2022	0908_MW172_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.02		*0.02*		**0.43**	
MW172	16 Mar 2022	0908_MW172_220316	Normal	NSW_0908_PFASMGMT	On-base	-	0.08		*0.05*		**1.09**	
MW172	19 May 2022	0908_MW172_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*0.05*		**1.33**	
MW172	22 Jun 2022	0908_MW172_220622	Normal	NSW_0908_PFASMGMT	On-base	-	0.14		*0.15*		**2.03**	
MW172	13 Sep 2022	0908_MW172_220913	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		*0.05*		**1.11**	
MW172	10 Nov 2022	0908_MW172_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.02*		**0.5**	
MW172	10 Nov 2022	0908_QC105_221110	Field_D	NSW_0908_PFASOMP	On-base	-	0.01		*0.04*		**0.58**	
MW172	10 Nov 2022	0908_QC205_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.02*		**0.44**	
MW172	10 May 2023	0908_MW172_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.03		*0.07*		**0.99**	
MW172	22 Nov 2023	0908_MW172_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.03		*0.04*		**0.49**	
MW172	17 Apr 2024	0908_MW172_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*0.03*		**0.72**	
MW172	24 Sep 2024	0908_MW172_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.08		*0.03*		**4.31**	New Maximum
MW175D	15 Jan 2016	MW175D_15012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		0.04	
MW175D	29 Aug 2016	MW175D_290816	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.33*		**0.42**	
MW175D	19 Oct 2016	MW175D_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.67*		**0.76**	
MW175D	19 Dec 2016	MW175D_GW_19122016	Normal	NSW_0908_PFAS	On-base	-	0.02		*3.01*		**3.2**	
MW175D	20 Dec 2016	MW175D_GW_20122016	Normal	NSW_0908_PFAS	On-base	-	0.02		*3.01*		**3.2**	
MW175D	12 Jan 2017	MW175D_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*2.6*		**2.81**	
MW175D	24 Jan 2017	MW175D_GW_24012017	Normal	NSW_0908_PFAS	On-base	-	0.09		*3.49*		**4.25**	
MW175D	24 Jan 2017	QC717_24012017	Field_D	NSW_0908_PFAS	On-base	-	0.08		*3.8*		**4.51**	
MW175D	02 May 2017	MW175D_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.03		*1.4*		**1.73**	
MW175D	20 Apr 2018	MW175D_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.05		*2.5*		**2.93**	
MW175D	14 Sep 2018	0908_MW175D_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.20		*8.67*		**10.4**	
MW175D	29 Nov 2018	0908_MW175D_181129	Normal	NSW_0908_PFAS	On-base	-	0.08		*4.43*		**5.2**	
MW175D	31 May 2019	0908_MW175D_190531	Normal	NSW_0908_PFAS	On-base	-	0.08		*8.3*		**8.9**	
MW175D	08 Nov 2019	0908_MW175D_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*2*		**2.65**	
MW175D	11 May 2020	0908_MW175D_200511	Normal	NSW_0908_PFASOMP	On-base	-	0.10		*4.07*		**4.9**	
MW175D	17 Nov 2020	0908_MW175_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*3.99*		**4.63**	
MW175D	17 May 2021	0908_MW175D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*1.24*		**1.7**	
MW175D	16 Nov 2021	0908_MW175D_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*2.1*		**2.5**	
MW175D	16 Nov 2021	0908_QC108_211116	Field_D	NSW_0908_PFASOMP	On-base	-	0.04		*2.4*		**2.84**	
MW175D	19 May 2022	0908_MW175D_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*3.45*		**4.21**	
MW175D	10 Nov 2022	0908_MW175D_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.07		*4.43*		**5.56**	
MW175D	10 May 2023	0908_MW175D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07		*4.61*		**5.66**	
MW175D	10 May 2023	0908_QC119_230510	Field_D	NSW_0908_PFASOMP_23	On-base	-	0.08		*4.13*		**5.26**	
MW175D	22 Nov 2023	0908_MW175D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.10		*3.36*		**4.39**	
MW175D	17 Apr 2024	0908_MW175D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10		*3.69*		**4.73**	
MW175D	24 Sep 2024	0908_MW175D_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.11		*4.68*		**5.8**	
MW179D	20 Jan 2016	MW179D_20012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW179D	30 Aug 2016	MW179D_300816	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.35**	
MW179D	18 Oct 2016	MW179D_181016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.34**	
MW179D	16 Jan 2017	MW179D_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		<0.01		**0.4**	
MW179D	16 Jan 2017	MW179D_160117	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.4**	
MW179D	19 Jan 2017	MW179D_GW_19012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.55**	
MW179D	19 Jan 2017	QC715_GW_19012017	Field_D	NSW_0908_PFAS	On-base	-	0.01		*0.34*		**0.56**	
MW179D	04 May 2017	MW179D_040517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		<0.01		**0.45**	
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.56**	
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.57**	
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.68**	
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.69**	
MW179D	22 Nov 2018	0908_MW179D_181122	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.01*		**0.37**	
MW179D	30 May 2019	0908_MW179D_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.42**	
MW179D	08 Nov 2019	0908_MW179D_191108	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.43**	
MW179D	13 May 2020	0908_MW179D_200513	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.36**	
MW179D	17 Nov 2020	0908_MW179_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.01		<0.01		**0.28**	
MW179D	17 May 2021	0908_MW179D_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.02		<0.01		**0.41**	
MW179D	16 Nov 2021	0908_MW179D_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.02		<0.01		**0.46**	
MW179D	19 May 2022	0908_MW179D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.01*		0.01	
MW179D	10 Nov 2022	0908_MW179D_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*0.28*		**1.14**	
MW179D	10 May 2023	0908_MW179D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.06		*1.17*		**2.5**	
MW179D	22 Nov 2023	0908_MW179D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.06		*3.69*		**5**	
MW179D	18 Apr 2024	0908_MW179D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*0.19*		**0.99**	
MW179S	20 Jan 2016	MW179S_20012016	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.11*		**0.11**	
MW179S	20 Jan 2016	QC108_WG_20012016	Field_D	NSW_0908_PFAS	On-base	-	0.04		*0.13*		**0.13**	
MW179S	30 Aug 2016	MW179S_300816	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.2*		**0.44**	
MW179S	15 Sep 2016	MW179S_150916	Normal	NSW_0908_PFAS	On-base	-	0.025		*0.25*		**0.48**	
MW179S	18 Oct 2016	MW179S_181016	Normal	NSW_0908_PFAS	On-base	-	0.04		*0.09*		**0.71**	
MW179S	16 Jan 2017	MW179S_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.01		*0.09*		**0.3**	
MW179S	16 Jan 2017	MW179S_160117	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.09*		**0.3**	
MW179S	19 Jan 2017	MW179S_GW_19012017	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.08*		**0.34**	
MW179S	04 May 2017	MW179S_040517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.06		*0.17*		**1.37**	
MW179S	19 Apr 2018	MW179S_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	0.06		*0.46*		**2.13**	
MW179S	22 Nov 2018	0908_MW179S_181122	Normal	NSW_0908_PFAS	On-base	-	0.05		*0.46*		**1.29**	
MW179S	30 May 2019	0908_MW179S_190530	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.59*		**1.33**	
MW179S	08 Nov 2019	0908_MW179S_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*0.55*		**2.06**	
MW179S	13 May 2020	0908_MW179S_200513	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*0.14*		**2.12**	
MW179S	17 Nov 2020	0908_MW179_S_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*0.52*		**2.2**	
MW179S	17 May 2021	0908_MW179S_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.34		*0.26*		**5.1**	
MW179S	16 Nov 2021	0908_MW179S_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.29		*0.14*		**1.33**	
MW179S	19 May 2022	0908_MW179S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.44		*0.22*		**1.89**	
MW179S	10 Nov 2022	0908_MW179S_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.12		*0.19*		**0.8**	
MW179S	10 May 2023	0908_MW179S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.37		*0.24*		**1.76**	
MW179S	22 Nov 2023	0908_MW179S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07		*0.17*		**0.54**	
MW179S	18 Apr 2024	0908_MW179S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.20		*3.61*	New Maximum	**5.26**	New Maximum
MW196	13 Jan 2016	MW196_13012016	Normal	NSW_0908_PFAS	On-base	-	**0.68**		*35.6*		**47.5**	
MW196	05 Sep 2016	MW196_050916	Normal	NSW_0908_PFAS	On-base	-	0.17		*18*		**19.8**	
MW196	15 Sep 2016	MW196_150916	Normal	NSW_0908_PFAS	On-base	-	0.19		*15*		**16.3**	
MW196	18 Jan 2017	MW196_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.42		*22.3*		**24.97**	
MW196	18 Jan 2017	MW196_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**25**	
MW196	20 Apr 2018	MW196_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.24		*19*		**21.4**	
MW196	20 Apr 2018	MW196_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**21.35**	
MW196	30 Nov 2018	0908_MW196_181130	Normal	NSW_0908_PFAS	On-base	-	0.05		*6.94*		**7.97**	
MW196	29 May 2019	0908_MW196_190529	Normal	NSW_0908_PFAS	On-base	-	0.22		*13.7*		**16.2**	
MW196	29 May 2019	0908_MW196_190529	Normal	NSW_0908_PFAS	On-base	-	-		-		**16.24**	
MW196	06 Nov 2019	0908_MW196_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.32		*13.6*		**16.6**	
MW196	22 May 2020	0908_MW196_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.35		*17.2*		**20.5**	
MW196	26 Nov 2020	0908_MW196_201126	Normal	NSW_0908_PFASOMP	On-base	-	0.13		*9.81*		**11.5**	
MW196	26 Nov 2020	0908_QC105_201126	Field_D	NSW_0908_PFASOMP	On-base	-	0.07		*2.46*		**3.89**	
MW196	26 Nov 2020	0908_QC205_201126	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.049		*1.7*		**3.1**	
MW196	19 May 2021	0908_MW196_210519	Normal	NSW_0908_PFASOMP	On-base	-	0.19		*19.8*		**21.6**	
MW196	10 Nov 2021	0908_MW196_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.21		*23.1*		**24.6**	
MW196	30 May 2022	0908_MW196_220530	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*7.36*		**7.76**	
MW196	09 Nov 2022	0908_MW196_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*3.83*		**4.08**	
MW196	10 May 2023	0908_MW196_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.10		*13.9*		**14.5**	
MW196	22 Nov 2023	0908_MW196_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.10		*9*		**9.52**	
MW196	17 Apr 2024	0908_MW196_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.11		*10.9*		**11.6**	
MW198	13 Jan 2016	MW198_13012016	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.71*		**0.71**	
MW198	05 Sep 2016	MW198_050916	Normal	NSW_0908_PFAS	On-base	-	0.02		*1.9*		**2.86**	
MW198	20 Oct 2016	MW198_201016	Normal	NSW_0908_PFAS	On-base	-	0.03		*1.7*		**2.52**	
MW198	16 Jan 2017	MW198_GW_16012017	Normal	NSW_0908_PFAS	On-base	-	0.21		*4.36*		**6.99**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW198	16 Jan 2017	QC714_GW_16012017	Field_D	NSW_0908_PFAS	On-base	-	0.21		*4.31*		**6.95**	
MW198	18 Jan 2017	MW198_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.12		*3.3*		**5.2**	
MW198	05 May 2017	MW198_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.09		*2.8*		**5.9**	
MW198	20 Apr 2018	MW198_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	**0.59**		*18.3*		**24.4**	
MW198	20 Apr 2018	MW198_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**24.45**	
MW198	30 Nov 2018	0908_MW198_181130	Normal	NSW_0908_PFAS	On-base	-	0.12		*18.2*		**21.8**	
MW198	30 Nov 2018	0908_MW198_181130	Normal	NSW_0908_PFAS	On-base	-	-		-		**21.76**	
MW198	29 May 2019	0908_MW198_190529	Normal	NSW_0908_PFAS	On-base	-	0.32		*13.6*		**16.5**	
MW198	29 May 2019	0908_MW198_190529	Normal	NSW_0908_PFAS	On-base	-	-		-		**16.51**	
MW198	06 Nov 2019	0908_MW198_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.23		*6.29*		**9.68**	
MW198	22 May 2020	0908_MW198_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.10		*6.2*		**8.06**	
MW198	26 Nov 2020	0908_MW198_201126	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*2.16*		**3.58**	
MW198	19 May 2021	0908_MW198_210519	Normal	NSW_0908_PFASOMP	On-base	-	0.11		*3.26*		**5.93**	
MW198	10 Nov 2021	0908_MW198_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.16		*6.07*		**11.6**	
MW198	30 May 2022	0908_MW198_220530	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*3.42*		**6.88**	
MW198	30 May 2022	0908_QC117_220530	Field_D	NSW_0908_PFASOMP	On-base	-	0.14		*4.44*		**9.04**	
MW198	09 Nov 2022	0908_MW198_221109	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*4.39*		**7.03**	
MW198	10 May 2023	0908_MW198_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.04		*3.3*		**5.14**	
MW198	22 Nov 2023	0908_MW198_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.14		*7.35*		**7.95**	
MW198	18 Apr 2024	0908_MW198_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10		*3.32*		**4.9**	
MW200	14 Jan 2016	MW200_14012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.14*		**0.14**	
MW200	05 Sep 2016	MW200_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.27*		**0.42**	
MW200	21 Oct 2016	MW200_211016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.19*		**0.26**	
MW200	18 Jan 2017	MW200_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.27*		**0.36**	
MW200	18 Jan 2017	MW200_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.33*		**0.57**	
MW200	18 Jan 2017	QC715_GW_18012017	Field_D	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.45**	
MW200	05 May 2017	MW200_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.01		*0.39*		**0.59**	
MW200	29 May 2019	0908_MW200_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.26*		**0.3**	
MW200	22 May 2020	0908_MW200_200522	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.27*		**0.31**	
MW200	19 May 2021	0908_MW200_210519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.2*		**0.2**	
MW200	30 May 2022	0908_MW200_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.4*		**0.46**	
MW200	10 May 2023	0908_MW200_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.23*		**0.27**	
MW200	17 Apr 2024	0908_MW200_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.27*		**0.47**	
MW201D	21 Jan 2016	MW201D_21012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW201D	05 Sep 2016	MW201D_050916	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.16**	
MW201D	21 Oct 2016	MW201D_211016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.09**	
MW201D	18 Jan 2017	MW201D_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.06*		**0.14**	
MW201D	18 Jan 2017	MW201D_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.1**	
MW201D	05 May 2017	MW201D_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.02*		**0.08**	
MW201D	29 May 2019	0908_MW201D_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.11*		**0.56**	
MW201D	22 May 2020	0908_MW201D_200522	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.08*		**0.46**	
MW201D	30 May 2022	0908_MW201D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW201D	10 May 2023	0908_MW201D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.01*		0.01	
MW201D	17 Apr 2024	0908_MW201D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.05	New Maximum, First-time Detection	*5.34*	New Maximum	**5.92**	New Maximum, New Exceedance
MW201S	21 Jan 2016	MW201S_21012016	Normal	NSW_0908_PFAS	On-base	-	0.02		*4.12*		**4.12**	
MW201S	05 Sep 2016	MW201S_050916	Normal	NSW_0908_PFAS	On-base	-	0.02		*3*		**3.21**	
MW201S	15 Sep 2016	MW201S_150916	Normal	NSW_0908_PFAS	On-base	-	0.058		*5.5*		**5.99**	
MW201S	21 Oct 2016	MW201S_211016	Normal	NSW_0908_PFAS	On-base	-	0.07		*4.3*		**5.8**	
MW201S	18 Jan 2017	MW201S_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.1		*8.7*		**10.2**	
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.16		*14.8*		**17.38**	
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**17.4**	
MW201S	05 May 2017	MW201S_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.1		*6.6*		**7.6**	
MW201S	29 May 2019	0908_MW201S_190529	Normal	NSW_0908_PFAS	On-base	-	0.12		*4*		**5.96**	
MW201S	22 May 2020	0908_MW201S_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.35		*17.4*		**24.9**	
MW201S	19 May 2021	0908_MW201S_210519	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*1.49*		**1.95**	
MW201S	30 May 2022	0908_MW201S_220530	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*1.76*		**2.58**	
MW201S	10 May 2023	0908_MW201S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.03		*1.08*		**1.56**	
MW201S	17 Apr 2024	0908_MW201S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		*0.96*		**1.24**	New Minimum
MW202D	20 Jan 2016	MW202D_20012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW202D	31 Aug 2016	MW202D_310816	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		0.04	
MW202D	18 Oct 2016	MW202D_181016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.01*		0.04	
MW202D	18 Jan 2017	MW202D_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.03*		0.06	
MW202D	18 Jan 2017	MW202D_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.02	
MW202D	05 May 2017	MW202D_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.04*		**0.12**	
MW202D	04 Apr 2018	MW202D_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		**0.14**	
MW202D	04 Apr 2018	QC102_GW_04042018	Field_D	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		**0.13**	
MW202D	04 Apr 2018	QC102_GW_04042018	Interlab_D	NSW_0908_PFAS	On-base	-	<0.01		*0.06*		**0.104**	
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		0.02	
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	NSW_0908_PFAS	On-base	-	-		-		0.04	
MW202D	30 May 2019	0908_MW202D_190530	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		0.02	
MW202D	30 May 2019	0908_MW202D_190530	Normal	NSW_0908_PFAS	On-base	-	-		-		0.04	
MW202D	08 Nov 2019	0908_MW202D_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.05*		**0.85**	
MW202D	29 May 2020	0908_MW202D_200529	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.07*		**0.18**	
MW202D	17 Nov 2020	0908_MW202_D_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.18*		**0.66**	
MW202D	17 May 2021	0908_MW202D_210517	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		0.04	
MW202D	10 Nov 2021	0908_MW202D_211110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		0.07	
MW202D	19 May 2022	0908_MW202D_220519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.12*		**0.22**	
MW202D	19 May 2022	0908_QC212_220519	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.11*		**0.16**	
MW202D	10 Nov 2022	0908_MW202D_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.14*		**0.23**	
MW202D	10 May 2023	0908_MW202D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02		*0.52*		**0.93**	
MW202D	22 Nov 2023	0908_MW202D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.13*		**0.2**	
MW202D	18 Apr 2024	0908_MW202D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		*0.22*		**0.55**	
MW202S	20 Jan 2016	MW202S_20012016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.28*		**0.28**	
MW202S	31 Aug 2016	MW202S_310816	Normal	NSW_0908_PFAS	On-base	-	0.02		*1*		**1.43**	
MW202S	15 Sep 2016	MW202S_150916	Normal	NSW_0908_PFAS	On-base	-	0.03		*0.82*		**1.19**	
MW202S	18 Oct 2016	MW202S_181016	Normal	NSW_0908_PFAS	On-base	-	0.03		*1.9*		**2.45**	
MW202S	18 Jan 2017	MW202S_180117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.03		*1.3*		**1.67**	
MW202S	18 Jan 2017	MW202S_GW_18012017	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.45*		**0.68**	
MW202S	18 Jan 2017	QC113_180117	Field_D	ACTNSW_Hist_202012-3	On-base	-	0.03		*0.76*		**0.96**	
MW202S	15 Feb 2017	MW202S_150217	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*0.53*		**0.66**	
MW202S	15 Feb 2017	MW202S_150217	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.53*		**0.66**	
MW202S	15 Feb 2017	QC118_150217	Field_D	ACTNSW_Hist_202012-3	On-base	-	0.02		*0.6*		**0.69**	
MW202S	05 May 2017	MW202S_050517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.02		*0.69*		**1.04**	
MW202S	04 Apr 2018	MW202S_GW_04042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.15*		**0.2**	
MW202S	22 Nov 2018	0908_MW202S_181122	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.8*		**0.96**	
MW202S	30 May 2019	0908_MW202S_190530	Normal	NSW_0908_PFAS	On-base	-	0.01		*1.38*		**1.46**	
MW202S	08 Nov 2019	0908_MW202S_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.81*		**0.95**	
MW202S	24 May 2021	0908_MW202S_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.61*		**0.91**	
MW202S	10 Nov 2021	0908_MW202S_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.34*		**0.45**	
MW202S	19 May 2022	0908_MW202S_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.01		*0.65*		**1.06**	
MW202S	19 May 2022	0908_QC112_220519	Field_D	NSW_0908_PFASOMP	On-base	-	0.01		*0.71*		**1.12**	
MW202S	10 Nov 2022	0908_MW202S_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.02		*0.44*		**0.78**	
MW202S	10 May 2023	0908_MW202S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.2*		**0.3**	
MW202S	22 Nov 2023	0908_MW202S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.02		*0.25*		**0.59**	
MW202S	18 Apr 2024	0908_MW202S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		*0.6*		**0.87**	
MW208	27 Jan 2016	MW208_27012016	Normal	NSW_0908_PFAS	On-base	-	0.1		*13.2*		**13.2**	
MW208	27 Jan 2016	QC114_WG_27012016	Interlab_D	NSW_0908_PFAS	On-base	-	0.082		*12*		**12**	
MW208	26 Aug 2016	MW208_260816	Normal	NSW_0908_PFAS	On-base	-	0.23		*13*		**15.8**	
MW208	18 Oct 2016	MW208_181016	Normal	NSW_0908_PFAS	On-base	-	0.2		*12*		**23**	
MW208	18 Oct 2016	QC103_181016	Field_D	NSW_0908_PFAS	On-base	-	0.17		*10*		**19.4**	
MW208	17 Jan 2017	MW208_170117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.35		*13*		**17.1**	
MW208	17 Jan 2017	MW208_170117	Normal	NSW_0908_PFAS	On-base	-	0.35		*13*		**17.1**	
MW208	19 Jan 2017	MW208_GW_170119	Normal	NSW_0908_PFAS	On-base	-	0.32		*8.8*		**16.5**	
MW208	19 Jan 2017	MW208_GW_170119	Normal	NSW_0908_PFAS	On-base	-	-		-		**16.52**	
MW208	09 May 2017	MW208_090517	Normal	ACTNSW_Hist_202012-3	On-base	-	**0.92**		*17*		**22.7**	
MW208	28 May 2019	0908_MW208_190528	Normal	NSW_0908_PFAS	On-base	-	0.12		*8.37*		**10.3**	
MW208	28 May 2019	0908_MW208_190528	Normal	NSW_0908_PFAS	On-base	-	-		-		**10.31**	
MW208	17 Oct 2019	0908_MW208_191017	Normal	NSW_0908_PFASMGMT	On-base	-	0.10		*6.98*		**8.11**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW208	06 Nov 2019	0908_MW208_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.09		*6.86*		**8.16**	
MW208	12 May 2020	0908_MW208_200512	Normal	NSW_0908_PFASOMP	On-base	-	0.10		*7.06*		**8.23**	
MW208	17 Nov 2020	0908_MW208_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.54		*21.7*		**27.4**	
MW208	14 May 2021	0908_MW208_210514	Normal	NSW_0908_PFASOMP	On-base	-	0.18		*9.62*		**12.4**	
MW208	08 Nov 2021	0908_MW208_211108	Normal	NSW_0908_PFASOMP	On-base	-	0.27		*11.7*		**15.8**	
MW208	24 May 2022	0908_MW208_220524	Normal	NSW_0908_PFASOMP	On-base	-	0.36		*24.1*		**29.2**	
MW208	08 Nov 2022	0908_MW208_221108	Normal	NSW_0908_PFASOMP	On-base	-	0.39		*8.3*		**13.6**	
MW208	08 May 2023	0908_MW208_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.26		*11*		**13.9**	
MW208	23 Nov 2023	0908_MW208_231123	Normal	NSW_0908_PFASOMP_23	On-base	-	0.18		*9.08*		**11.1**	
MW208	17 Apr 2024	0908_MW208_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.24		*21.6*		**26.4**	
MW210D	18 Jan 2016	MW210D_18012016	Normal	NSW_0908_PFAS	On-base	-	0.02		<0.01		**0.5**	
MW210D	26 Aug 2016	MW210D_260816	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.4**	
MW210D	17 Oct 2016	MW210D_171016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.48**	
MW210D	13 Jan 2017	MW210D_GW_13012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.35**	
MW210D	13 Jan 2017	QC712_GW_13012017	Field_D	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.31**	
MW210D	16 Jan 2017	MW210D_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		<0.01		**0.27**	
MW210D	16 Jan 2017	MW210D_160117	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.27**	
MW210D	08 May 2017	MW210D_080517	Normal	ACTNSW_Hist_202012-3	On-base	-	<0.01		*0.02*		**0.43**	
MW210D	28 May 2019	0908_MW210D_190528	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.09*		**0.43**	
MW210D	12 May 2020	0908_MW210D_200512	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW210D	14 May 2021	0908_MW210D_210514	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.05	
MW210D	24 May 2022	0908_MW210D_220524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW210D	24 May 2022	0908_QC214_220524	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW210D	08 May 2023	0908_MW210D_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.01	
MW210D	17 Apr 2024	0908_MW210D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		<0.01		0.02	
MW210S	18 Jan 2016	MW210S_18012016	Normal	NSW_0908_PFAS	On-base	-	0.19		*10.5*		**12.82**	
MW210S	26 Aug 2016	MW210S_260816	Normal	NSW_0908_PFAS	On-base	-	0.1		*15*		**16.4**	
MW210S	17 Oct 2016	MW210S_171016	Normal	NSW_0908_PFAS	On-base	-	0.08		*19*		**20.6**	
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	NSW_0908_PFAS	On-base	-	0.15		*15.6*		**16.8**	
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**16.84**	
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	NSW_0908_PFAS	On-base	-	0.15		*15.2*		**16.6**	
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	NSW_0908_PFAS	On-base	-	-		-		**16.63**	
MW210S	16 Jan 2017	MW210S_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.09		*8.6*		**10.2**	
MW210S	16 Jan 2017	MW210S_160117	Normal	NSW_0908_PFAS	On-base	-	0.09		*8.6*		**10.2**	
MW210S	08 May 2017	MW210S_080517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.15		*15*		**16.8**	
MW210S	28 May 2019	0908_MW210S_190528	Normal	NSW_0908_PFAS	On-base	-	0.08		*17.9*		**18.6**	
MW210S	12 May 2020	0908_MW210S_200512	Normal	NSW_0908_PFASOMP	On-base	-	0.10		*11.4*		**12.5**	
MW210S	12 May 2020	0908_QC100_200512	Field_D	NSW_0908_PFASOMP	On-base	-	0.09		*11.6*		**12.8**	
MW210S	12 May 2020	0908_QC200_200512	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.076		*11*		**12.1**	
MW210S	14 May 2021	0908_MW210S_210514	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*1.1*		**1.32**	
MW210S	24 May 2022	0908_MW210S_220524	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*1.03*		**2.81**	
MW210S	24 May 2022	0908_QC114_220524	Field_D	NSW_0908_PFASOMP	On-base	-	0.11		*1.15*		**3.13**	
MW210S	08 May 2023	0908_MW210S_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	0.08		*8.59*		**9.48**	
MW210S	17 Apr 2024	0908_MW210S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.08		*14.8*		**15.5**	
MW240D	20 Mar 2017	MW240D_GW_200317	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		**0.16**	
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.18**	
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.19**	
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	NSW_0908_PFAS	On-base	-	<0.01		<0.01		**0.18**	
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	NSW_0908_PFAS	On-base	-	-		-		**0.19**	
MW240D	19 Apr 2018	QC204_GW_19042018	Interlab_D	NSW_0908_PFAS	On-base	-	<0.01		<0.02		**0.12**	
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	NSW_0908_PFAS	On-base	-	0.02		<0.01		**0.28**	
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	NSW_0908_PFAS	On-base	-	-		-		**0.29**	
MW240D	23 Jan 2019	0908_MW240D_190123	Normal	NSW_0908_PFASMGMT	On-base	-	0.03		<0.01		**0.45**	
MW240D	31 May 2019	0908_MW240D_190531	Normal	NSW_0908_PFAS	On-base	-	0.06		*0.02*		**0.53**	
MW240D	23 Oct 2019	0908_MW240D_191023	Normal	NSW_0908_PFASMGMT	On-base	-	0.09		*0.09*		**0.64**	
MW240D	06 Nov 2019	0908_MW240D_191107	Normal	NSW_0908_PFASOMP	On-base	-	0.07		*0.02*		**0.51**	
MW240D	15 May 2020	0908_MW240D_200515	Normal	NSW_0908_PFASOMP	On-base	-	0.07		*0.05*		**0.56**	
MW240D	16 Nov 2020	0908_MW240_D_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*0.04*		**0.38**	
MW240D	26 May 2022	0908_MW240D_220526	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*0.04*		**0.44**	
MW240D	26 May 2022	0908_QC215_220526	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.05		*0.03*		**0.35**	
MW240D	10 Nov 2022	0908_MW240D_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.06	
MW240D	10 Nov 2022	0908_QC101_221110	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		**0.09**	
MW240D	10 Nov 2022	0908_QC201_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.07	
MW240D	10 May 2023	0908_MW240D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		**0.08**	
MW240D	22 Nov 2023	0908_MW240D_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		**0.08**	
MW240D	17 Apr 2024	0908_MW240D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		<0.01		**0.1**	
MW240D	25 Sep 2024	0908_MW240D_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		<0.01		**0.15**	
MW245D	07 Mar 2017	MW245D_GW_070317	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW245D	07 Mar 2017	QC703_GW_070317	Field_D	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW245D	29 May 2019	0908_MW245D_190529	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW245D	15 May 2020	0908_MW245D_200515	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW245D	24 May 2021	0908_MW245D_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW245D	24 May 2021	0908_QC107_210524	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW245D	24 May 2021	0908_QC207_210524	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		<0.02		<0.01	
MW245D	30 May 2022	0908_MW245D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.01	
MW245D	10 May 2023	0908_MW245D_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.02	
MW245D	17 Apr 2024	0908_MW245D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		<0.01		0.02	
MW245S	07 Mar 2017	MW245S_GW_070317	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		0.02	
MW245S	30 May 2022	0908_MW245S_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW245S	10 May 2023	0908_MW245S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.03	
MW245S	17 Apr 2024	0908_MW245S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.03*	New Maximum	0.03	
MW281S	20 Mar 2017	MW281S_GW_200317	Normal	NSW_0908_PFAS	On-base	-	**4.47**		*180*		**244**	
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	**8.75**		*206*		**283**	
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**282.9**	
MW281S	22 Nov 2018	0908_MW281S_181122	Normal	NSW_0908_PFAS	On-base	-	**8.01**		*191*		**232**	
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	NSW_0908_PFAS	On-base	-	**7.32**		*186*		**224**	
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	NSW_0908_PFAS	On-base	-	-		-		**223.5**	
MW281S	31 May 2019	0908_MW281S_190531	Normal	NSW_0908_PFAS	On-base	-	**4.94**		*144*		**169**	
MW281S	31 May 2019	0908_MW281S_190531	Normal	NSW_0908_PFAS	On-base	-	-		-		**169.4**	
MW281S	23 Oct 2019	0908_MW281S_191023	Normal	NSW_0908_PFASMGMT	On-base	-	**4.44**		*112*		**131**	
MW281S	06 Nov 2019	0908_MW281S_191107	Normal	NSW_0908_PFASOMP	On-base	-	**4.64**		*112*		**131**	
MW281S	15 May 2020	0908_MW281S_200515	Normal	NSW_0908_PFASOMP	On-base	-	**3.84**		*119*		**139**	
MW281S	16 Nov 2020	0908_MW281_S_201116	Normal	NSW_0908_PFASOMP	On-base	-	**3.56**		*26.7*		**51**	
MW281S	25 May 2021	0908_MW281S_210525	Normal	NSW_0908_PFASOMP	On-base	-	**2.19**		*63.3*		**89.5**	
MW281S	10 Nov 2021	0908_MW281S_211110	Normal	NSW_0908_PFASOMP	On-base	-	**3.10**		*234*		**255**	
MW281S	26 May 2022	0908_MW281S_220526	Normal	NSW_0908_PFASOMP	On-base	-	**2.16**		*68.6*		**88**	
MW281S	10 Nov 2022	0908_MW281S_221110	Normal	NSW_0908_PFASOMP	On-base	-	**2.97**		*41.4*		**52.9**	
MW281S	10 Nov 2022	0908_QC103_221110	Field_D	NSW_0908_PFASOMP	On-base	-	**3.79**		*50*		**62.9**	
MW281S	10 Nov 2022	0908_QC203_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-	**2.8**		*31*		**41**	
MW281S	10 May 2023	0908_MW281S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	**1.67**		*108*		**130**	
MW281S	10 May 2023	0908_QC217_230510	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	**1.6**		*73*		**93**	
MW281S	22 Nov 2023	0908_MW281S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	**2.62**		*99.8*		**113**	
MW281S	17 Apr 2024	0908_MW281S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	**0.71**		*22*		**26.8**	New Minimum
MW281S	25 Sep 2024	0908_MW281S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	**1.43**		*109*		**113**	
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	NSW_0908_PFAS	On-base	-	**1.23**		*1.48*		**14.28**	
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	NSW_0908_PFAS	On-base	-	-		-		**14.3**	
MW282S	23 Oct 2019	0908_MW282S_191023	Normal	NSW_0908_PFASMGMT	On-base	-	**3.41**		*54.7*		**70.7**	
MW282S	06 Nov 2019	0908_MW282S_191107	Normal	NSW_0908_PFASOMP	On-base	-	**1.95**		*1.09*		**20.8**	
MW282S	15 May 2020	0908_MW282S_200515	Normal	NSW_0908_PFASOMP	On-base	-	**3.29**		*35.8*		**49.1**	
MW282S	15 May 2020	0908_QC108_200515	Field_D	NSW_0908_PFASOMP	On-base	-	**3.39**		*39.7*		**53.9**	
MW282S	16 Nov 2020	0908_MW282_S_201116	Normal	NSW_0908_PFASOMP	On-base	-	0.03		*0.15*		**0.88**	
MW282S	16 Nov 2020	0908_QC100_201116	Field_D	NSW_0908_PFASOMP	On-base	-	0.05		*0.16*		**0.97**	
MW282S	16 Nov 2020	0908_QC200_201116	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.039		*0.14*		**1**	
MW282S	25 May 2021	0908_MW282S_210525	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*0.95*		**1.88**	
MW282S	10 Nov 2021	0908_MW282S_211110	Normal	NSW_0908_PFASOMP	On-base	-	0.28		*1.48*		**11**	
MW282S	26 May 2022	0908_MW282S_220526	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.03*		**0.3**	
MW282S	26 May 2022	0908_QC115_220526	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		**0.41**	
MW282S	10 Nov 2022	0908_MW282S_221110	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.03*		**0.11**	
MW282S	10 May 2023	0908_MW282S_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07		*0.14*		**3.47**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW282S	10 May 2023	0908_QC117_230510	Field_D	NSW_0908_PFASOMP_23	On-base	-	0.07		*0.12*		**3.39**	
MW282S	22 Nov 2023	0908_MW282S_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.15		*0.9*		**2.24**	
MW282S	17 Apr 2024	0908_MW282S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	0.31		*0.43*		**3.12**	
MW282S	25 Sep 2024	0908_MW282S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.10		*0.51*		**2.7**	
MW304	02 Jul 2018	0908_W304_180702	Normal	NSW_0908_Stage2	On-base	-	0.10		*7.03*		**8.9**	
MW304	17 Oct 2019	0908_MW304_191017	Normal	NSW_0908_PFASMGMT	On-base	-	0.18		*22.7*		**26.9**	
MW304	27 May 2021	0908_MW304_210527	Normal	NSW_0908_PFASMGMT	On-base	-	0.08		*14.2*		**15**	
MW304	23 Apr 2024	0908_MW304_240423	Normal	NSW_0908_PFASOMP_24	On-base	-	0.33	New Maximum	*42.3*	New Maximum	**44.4**	New Maximum
MW317D	26 Jun 2020	0908_MW317D_200626	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW317D	24 May 2021	0908_MW317D_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW317D	30 May 2022	0908_MW317D_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW317D	12 May 2023	0908_MW317D_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.02	
MW317D	17 Apr 2024	0908_MW317D_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		<0.01		<0.01	
MW317S	26 Jun 2020	0908_MW317S_200626	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.02*		0.02	
MW317S	24 May 2021	0908_MW317S_210524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.04*		**0.14**	
MW317S	18 Nov 2021	0908_MW317S_211118	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.07*		**0.09**	
MW317S	18 Nov 2021	0908_QC102_211118	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01		*0.08*		**0.1**	
MW317S	30 May 2022	0908_MW317S_220530	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.03*		0.06	
MW317S	12 May 2023	0908_MW317S_230512	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		*0.04*		0.06	
MW317S	17 Apr 2024	0908_MW317S_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.04*		0.07	
MW329	23 Oct 2019	0908_MW329_191023	Normal	NSW_0908_PFASMGMT	On-base	-	**12.9**		*321*		**363**	
MW329	09 Nov 2020	0908_MW329_201109	Normal	NSW_0908_PFASMGMT	On-base	-	**2.48**		*178*		**194**	
MW329	18 Apr 2024	0908_MW329_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	**2.32**	New Minimum	*165*	New Minimum	**178**	New Minimum
MW329	25 Sep 2024	0908_MW329_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	**0.67**	New Minimum	*43.5*	New Minimum	**47.3**	New Minimum
MW340D	09 Nov 2020	0908_MW340D_201109	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.2*		**0.22**	
MW340D	09 Nov 2020	0908_QC104_201109	Field_D	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.24*		**0.27**	
MW340D	18 Apr 2024	0908_MW340D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.04	New Maximum, First-time Detection	*0.25*	New Maximum	**0.69**	New Maximum
MW340D	25 Sep 2024	0908_MW340D_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	0.04		*0.10*	New Minimum	**0.56**	
MW340D	25 Sep 2024	0908_QC110_240925	Field_D	NSW_0908_PFASOMP_24	On-base	-	0.04		*0.11*		**0.54**	
MW340D	25 Sep 2024	0908_QC210_240925	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	0.04		*0.1*		**0.57**	
MW340S	29 Oct 2020	0908_MW340S_201029	Normal	NSW_0908_PFASMGMT	On-base	-	0.01		*0.06*		**1.14**	
MW340S	04 Oct 2023	0908_MW340S_231004	Normal	NSW_0908_PFASMGMT_23	On-base	-	0.01		<0.01		**1.33**	
MW340S	16 Nov 2023	0908_MW340S_231116	Normal	NSW_0908_PFASMGMT_23	On-base	-	0.02		<0.01		**1.18**	
MW340S	18 Apr 2024	0908_MW340S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.01		*0.02*		**0.94**	New Minimum
MW340S	18 Apr 2024	0908_QC109_240418	Field_D	NSW_0908_PFASOMP_24	On-base	-	<0.01	New Minimum	*0.02*		**0.88**	
MW340S	18 Apr 2024	0908_QC209_240418	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.01*		**0.86**	
MW340S	25 Sep 2024	0908_MW340S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.02*		**0.38**	New Minimum
MW342D	09 Nov 2020	0908_MW342D_201109	Normal	NSW_0908_PFASMGMT	On-base	-	<0.01		*0.21*		**0.33**	
MW342D	18 Apr 2024	0908_MW342D_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.14*	New Minimum	**0.3**	New Minimum
MW342D	18 Apr 2024	0908_QC107_240418	Field_D	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.19*		**0.35**	New Maximum
MW342D	18 Apr 2024	0908_QC207_240418	Interlab_D	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.14*		**0.31**	New Minimum
MW342D	25 Sep 2024	0908_MW342D_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		*0.17*		**0.37**	New Maximum
MW344D	09 Nov 2020	0908_MW344D_201109	Normal	NSW_0908_PFASMGMT	On-base	Risk Zone B	<0.01		*0.2*		**0.31**	
MW344D	18 Apr 2024	0908_MW344D_240418	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.02	New Maximum, First-time Detection	*0.25*	New Maximum	**0.59**	New Maximum
MW344D	25 Sep 2024	0908_MW344D_240925	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.03	New Maximum	*0.08*	New Minimum	**0.73**	New Maximum
MW344S	29 Oct 2020	0908_MW344S_201029	Normal	NSW_0908_PFASMGMT	On-base	Risk Zone B	0.04		*0.52*		**1.04**	
MW344S	10 Oct 2023	0908_MW344S_231010	Normal	NSW_0908_PFASMGMT_23	On-base	Risk Zone B	0.02		*0.7*		**1**	
MW344S	07 Nov 2023	0908_MW344S_231107	Normal	NSW_0908_PFASMGMT_23	On-base	Risk Zone B	0.02		*0.43*		**0.62**	
MW344S	18 Apr 2024	0908_MW344S_240418	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.03		*0.51*		**0.64**	
MW344S	25 Sep 2024	0908_MW344S_240925	Normal	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.01	New Minimum	*0.62*		**0.78**	
MW344S	25 Sep 2024	0908_QC109_240925	Field_D	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.01		*0.54*		**0.67**	
MW344S	25 Sep 2024	0908_QC209_240925	Interlab_D	NSW_0908_PFASOMP_24	On-base	Risk Zone B	0.01		*0.53*		**0.68**	
MW354S	09 Nov 2020	0908_MW354_201109	Normal	NSW_0908_PFASMGMT	On-base	-	**4.07**		*88.9*		**120**	
MW354S	05 Oct 2023	0908_MW354S_231005	Normal	NSW_0908_PFASMGMT_23	On-base	-	**3.21**		*26.8*		**40.6**	
MW354S	14 Nov 2023	0908_MW354S_231114	Normal	NSW_0908_PFASMGMT_23	On-base	-	**5.77**		*47.7*		**60.8**	
MW354S	18 Apr 2024	0908_MW354S_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	**4.34**		*70.9*		**81.8**	
MW354S	25 Sep 2024	0908_MW354S_240925	Normal	NSW_0908_PFASOMP_24	On-base	-	**1.72**	New Minimum	*27.6*		**42.1**	
MW406	09 Feb 2016	W6_09022016	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW406	25 Aug 2016	W6_250816	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.03*		0.07	
MW406	19 Oct 2016	W6_191016	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.02*		0.05	
MW406	19 Oct 2016	QC105_191016	Field_D	NSW_0908_PFAS	On-base	-	<0.01		*0.01*		0.05	
MW406	11 Jan 2017	QC811_GW_11012017	Interlab_D	NSW_0908_PFAS	On-base	-	<0.02		<0.01		0.034	
MW406	12 Jan 2017	W6_GW_12012017	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.02	
MW406	03 Apr 2018	W6_GW_03042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		0.02	
MW406	03 Apr 2018	W6_GW_03042018	Normal	NSW_0908_PFAS	On-base	-	-		-		0.03	
MW406	29 Jun 2018	0908_W6_180629	Normal	NSW_0908_Stage2	On-base	-	<0.01		<0.01		0.03	
MW406	21 Nov 2018	0908_W6_181121	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW406	28 May 2019	0908_W6_190528	Normal	NSW_0908_PFAS	On-base	-	<0.01		<0.01		<0.01	
MW406	12 May 2020	0908_MW406_200512	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		<0.01	
MW406	19 May 2021	0908_MW406_210519	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.03*		0.06	
MW406	24 May 2022	0908_MW406_220524	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW406	24 May 2022	0908_QC113_220524	Field_D	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW406	24 May 2022	0908_QC213_220524	Interlab_D	NSW_0908_PFASOMP	On-base	-	<0.01		<0.01		0.03	
MW406	08 May 2023	0908_MW406_230508	Normal	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.03	
MW406	08 May 2023	0908_QC100_230508	Field_D	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.02	
MW406	08 May 2023	0908_QC200_230508	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	<0.01		<0.01		0.04	
MW406	17 Apr 2024	0908_MW406_240417	Normal	NSW_0908_PFASOMP_24	On-base	-	<0.01		<0.01		0.02	
MW441	11 Aug 2014	W41_11082014	Normal	NSW_0908_PFAS	On-base	-	**2.1**		<0.01		**6.8**	
MW441	11 Aug 2014	W41_11082014	Normal	NSW_0908_PFAS	On-base	-	-		*4.3*		**6.8**	
MW441	26 Aug 2016	W41_260816	Normal	NSW_0908_PFAS	On-base	-	**0.73**		*130*		**135.8**	
MW441	18 Oct 2016	W41_181016	Normal	NSW_0908_PFAS	On-base	-	0.54		*180*		**185.9**	
MW441	16 Jan 2017	W41_160117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.44		*220*		**225.2**	
MW441	16 Jan 2017	W41_160117	Normal	NSW_0908_PFAS	On-base	-	0.44		*220*		**225.2**	
MW441	04 May 2017	W41_040517	Normal	ACTNSW_Hist_202012-3	On-base	-	**1.1**		*170*		**176.2**	
MW441	04 May 2017	QC105_040517	Field_D	ACTNSW_Hist_202012-3	On-base	-	**1.1**		*180*		**186.2**	
MW441	17 Oct 2019	0908_W41_191017	Normal	NSW_0908_PFASMGMT	On-base	-	0.43		*158*		**172**	
MW441	17 Oct 2019	0908_QC200_191017	Interlab_D	NSW_0908_PFASMGMT	On-base	-	0.23		*110*		**123**	
MW441	21 May 2021	0908_MW441_210521	Normal	NSW_0908_PFASMGMT	On-base	-	**1.65**		*93.6*		**113**	
MW441	23 Apr 2024	0908_MW441_240423	Normal	NSW_0908_PFASOMP_24	On-base	-	0.02		*10*		**10.3**	
MW466	18 Jun 2014	W66	Normal	ACTNSW_Hist_202012-3	On-base	-	**1.4**		*29.1*		-	
MW466	11 Aug 2014	W66_11082014	Normal	NSW_0908_PFAS	On-base	-	**0.69**		<0.01		**13.03**	
MW466	11 Aug 2014	W66_11082014	Normal	NSW_0908_PFAS	On-base	-	-		*13*		-	
MW466	29 Aug 2016	W66_290816	Normal	NSW_0908_PFAS	On-base	-	**0.77**		*26*		**33.3**	
MW466	29 Aug 2016	QC104_2908016	Field_D	ACTNSW_Hist_202012-3	On-base	-	**1.33**		*31.8*		**42.3**	
MW466	19 Oct 2016	W66_191016	Normal	NSW_0908_PFAS	On-base	-	**0.58**		*33*		**38.9**	
MW466	20 Dec 2016	W66_GW_20122016	Normal	NSW_0908_PFAS	On-base	-	0.5		*32*		**35.2**	
MW466	20 Dec 2016	W66_GW_20122016	Normal	NSW_0908_PFAS	On-base	-	-		-		**35.24**	
MW466	20 Dec 2016	QC800_GW_201216	Interlab_D	NSW_0908_PFAS	On-base	-	0.4		*31*		**33.3**	
MW466	12 Jan 2017	W66_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	**0.61**		*50*		**53.2**	
MW466	24 Jan 2017	W66_24012017	Normal	NSW_0908_PFAS	On-base	-	**0.69**		*52.9*		**57.68**	
MW466	24 Jan 2017	W66_24012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**57.7**	
MW466	02 May 2017	W66_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.17		*9.5*		**12.5**	
MW466	10 Jul 2017	W66	Normal	ACTNSW_Hist_202012-3	On-base	-	**0.58**		*28.1*		**35.8**	
MW466	20 Apr 2018	W66_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.19		*24*		**26.2**	
MW466	20 Apr 2018	W66_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**26.23**	
MW466	22 Aug 2018	0908_W66_180822	Normal	NSW_0908_PFASMGMT	On-base	-	0.33		*14.7*		**21.2**	
MW466	14 Sep 2018	0908_W66_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.39		*15.1*		**23.2**	
MW466	29 Nov 2018	0908_W66_181129	Normal	NSW_0908_PFAS	On-base	-	0.2		*14.8*		**17.2**	
MW466	29 Nov 2018	0908_W66_181129	Normal	NSW_0908_PFAS	On-base	-	-		-		**17.25**	
MW466	23 Apr 2019	0908_W66_190423	Normal	NSW_0908_PFASMGMT	On-base	-	0.06		*11.8*		**12.6**	
MW466	22 May 2019	0908_W66_190522	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*8.73*		**9.23**	
MW466	31 May 2019	0908_W66_190531	Normal	NSW_0908_PFAS	On-base	-	0.05		*9.65*		**10.3**	
MW466	19 Jun 2019	0908_W66_190619	Normal	NSW_0908_PFASMGMT	On-base	-	0.07		*6.82*		**7.75**	
MW466	24 Sep 2019	0908_W66_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.14		*9.04*		**11**	
MW466	08 Nov 2019	0908_MW466_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.12		*10.3*		**12**	
MW466	03 Dec 2019	0908_W66_191203	Normal	NSW_0908_PFAS	On-base	-	0.11		*6.98*		**8.01**	
MW466	16 Mar 2020	0908_W66_200316	Normal	NSW_0908_PFASMGMT	On-base	-	<0.05		*1.67*		**1.87**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW466	11 May 2020	0908_MW466_200511	Normal	NSW_0908_PFASOMP	On-base	-	0.07		*3.35*		**6.76**	
MW466	22 Jun 2020	0908_MW466_200622	Normal	NSW_0908_PFASMGMT	On-base	-	0.12		*7.22*		**9.94**	
MW466	01 Oct 2020	0908_MW466_201001	Normal	NSW_0908_PFASMGMT	On-base	-	0.13		*5.25*		**9.63**	
MW466	17 Nov 2020	0908_MW466_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.07		*2*		**4.41**	
MW466	13 Jan 2021	0908_MW466_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.16		*6.13*		**9.05**	
MW466	29 Mar 2021	0908_MW466_210329	Normal	NSW_0908_PFASMGMT	On-base	-	0.14		*0.74*		**1.96**	
MW466	24 May 2021	0908_MW466_210524	Normal	NSW_0908_PFASOMP	On-base	-	0.41		*19*		**25.8**	
MW466	23 Jun 2021	0908_MW466_210623	Normal	NSW_0908_PFASMGMT	On-base	-	0.52		*9.03*		**12.4**	
MW466	22 Sep 2021	0908_MW466_210922	Normal	NSW_0908_PFASMGMT	On-base	-	0.04		*0.13*		**1.79**	
MW466	16 Nov 2021	0908_MW466_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.41		*16*		**19.7**	
MW466	11 Jan 2022	0908_MW466_220111	Normal	NSW_0908_PFASMGMT	On-base	-	0.25		*16.1*		**18.2**	
MW466	28 Jan 2022	0908_MW466_220128	Normal	NSW_0908_PFASMGMT	On-base	-	0.25		*17.9*		**20.7**	
MW466	14 Mar 2022	0908_MW466_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.28		*8.33*		**10.6**	
MW466	19 May 2022	0908_MW466_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.17		*10*		**11.8**	
MW466	20 Jun 2022	0908_MW466_220620	Normal	NSW_0908_PFASMGMT	On-base	-	0.17		*11.8*		**13.8**	
MW466	12 Sep 2022	0908_MW466_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.30		*18.8*		**22.1**	
MW466	10 Nov 2022	0908_MW466_221110	Normal	NSW_0908_PFASOMP	On-base	-	**0.63**		*19.1*		**24.8**	
MW466	10 May 2023	0908_MW466_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.16		*18.4*		**19.7**	
MW466	22 Nov 2023	0908_MW466_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.30		*17.1*		**18.2**	
MW466	18 Apr 2024	0908_MW466_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.12		*17.7*		**19**	
MW466	24 Sep 2024	0908_MW466_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.18		*5.51*		**6.8**	
MW468	17 Nov 2014	MW68_17112014	Normal	NSW_0908_PFAS	On-base	-	**0.71**		*47*		**53.6**	
MW468	02 Feb 2016	W68_02022016	Normal	NSW_0908_PFAS	On-base	-	0.55		*22.8*		**22.8**	
MW468	30 Aug 2016	W68_300816	Normal	NSW_0908_PFAS	On-base	-	**0.79**		*37*		**46.8**	
MW468	19 Oct 2016	W68_191016	Normal	NSW_0908_PFAS	On-base	-	0.42		*28*		**33.6**	
MW468	12 Jan 2017	W68_120117	Normal	ACTNSW_Hist_202012-3	On-base	-	0.37		*45*		**48.8**	
MW468	24 Jan 2017	W68_24012017	Normal	NSW_0908_PFAS	On-base	-	**0.65**		*54.4*		**61.49**	
MW468	24 Jan 2017	W68_24012017	Normal	NSW_0908_PFAS	On-base	-	-		-		**61.5**	
MW468	02 May 2017	W68_020517	Normal	ACTNSW_Hist_202012-3	On-base	-	0.48		*29*		**35.2**	
MW468	20 Apr 2018	W68_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	0.21		*27.8*		**30.2**	
MW468	20 Apr 2018	W68_GW_20042018	Normal	NSW_0908_PFAS	On-base	-	-		-		**30.22**	
MW468	22 Aug 2018	0908_W68_180822	Normal	NSW_0908_PFASMGMT	On-base	-	0.27		*14.9*		**19.6**	
MW468	14 Sep 2018	0908_W68_180914	Normal	NSW_0908_PFASMGMT	On-base	-	0.23		*12.8*		**15.9**	
MW468	29 Nov 2018	0908_W68_181129	Normal	NSW_0908_PFAS	On-base	-	0.26		*15.7*		**19.4**	
MW468	29 Nov 2018	0908_W68_181129	Normal	NSW_0908_PFAS	On-base	-	-		-		**19.39**	
MW468	23 Apr 2019	0908_W68_190423	Normal	NSW_0908_PFASMGMT	On-base	-	0.24		*12.5*		**16.2**	
MW468	22 May 2019	0908_W68_190522	Normal	NSW_0908_PFASMGMT	On-base	-	0.13		*8.23*		**9.71**	
MW468	31 May 2019	0908_W68_190531	Normal	NSW_0908_PFAS	On-base	-	0.11		*7.49*		**8.58**	
MW468	19 Jun 2019	0908_W68_190619	Normal	NSW_0908_PFASMGMT	On-base	-	0.08		*5.99*		**6.82**	
MW468	24 Sep 2019	0908_W68_190924	Normal	NSW_0908_PFASMGMT	On-base	-	0.22		*8.58*		**11.4**	
MW468	08 Nov 2019	0908_MW468_191108	Normal	NSW_0908_PFASOMP	On-base	-	0.20		*13.2*		**16.7**	
MW468	03 Dec 2019	0908_W68_191203	Normal	NSW_0908_PFAS	On-base	-	0.05		*3.43*		**3.99**	
MW468	16 Mar 2020	0908_W68_200316	Normal	NSW_0908_PFASMGMT	On-base	-	<0.05		*1.73*		**1.92**	
MW468	11 May 2020	0908_MW468_200511	Normal	NSW_0908_PFASOMP	On-base	-	0.32		*11.5*		**18.1**	
MW468	23 Jun 2020	0908_MW468_200623	Normal	NSW_0908_PFASMGMT	On-base	-	0.12		*4.66*		**6.07**	
MW468	01 Oct 2020	0908_MW468_201001	Normal	NSW_0908_PFASMGMT	On-base	-	0.11		*5.89*		**7.27**	
MW468	17 Nov 2020	0908_MW468_201117	Normal	NSW_0908_PFASOMP	On-base	-	0.20		*7.1*		**12.2**	
MW468	13 Jan 2021	0908_MW468_210113	Normal	NSW_0908_PFASMGMT	On-base	-	0.27		*12.3*		**17.2**	
MW468	29 Mar 2021	0908_MW468_210329	Normal	NSW_0908_PFASMGMT	On-base	-	0.06		*3*		**3.48**	
MW468	17 May 2021	0908_MW468_210517	Normal	NSW_0908_PFASOMP	On-base	-	0.32		*15.9*		**21.5**	
MW468	23 Jun 2021	0908_MW468_210623	Normal	NSW_0908_PFASMGMT	On-base	-	0.44		*10.8*		**16.5**	
MW468	22 Sep 2021	0908_MW468_210922	Normal	NSW_0908_PFASMGMT	On-base	-	0.38		*14.3*		**19.9**	
MW468	16 Nov 2021	0908_MW468_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.34		*14.9*		**20.6**	
MW468	16 Nov 2021	0908_QC208_211116	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.32		*14*		**19**	
MW468	12 Jan 2022	0908_MW468_220112	Normal	NSW_0908_PFASMGMT	On-base	-	0.21		*9.9*		**12**	
MW468	14 Mar 2022	0908_MW468_220314	Normal	NSW_0908_PFASMGMT	On-base	-	0.26		*21.7*		**24.4**	
MW468	19 May 2022	0908_MW468_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.29		*16*		**19.4**	
MW468	19 May 2022	0908_QC210_220519	Interlab_D	NSW_0908_PFASOMP	On-base	-	0.35		*17*		**21**	
MW468	20 Jun 2022	0908_MW468_220620	Normal	NSW_0908_PFASMGMT	On-base	-	0.23		*15.4*		**18.6**	
MW468	12 Sep 2022	0908_MW468_220912	Normal	NSW_0908_PFASMGMT	On-base	-	0.31		*16.1*		**19.5**	
MW468	12 Sep 2022	0908_QC101_220912	Field_D	NSW_0908_PFASMGMT	On-base	-	0.31		*15.6*		**19.3**	
MW468	10 Nov 2022	0908_MW468_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.53		*27.1*		**33.7**	
MW468	10 May 2023	0908_MW468_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.21		*14*		**15.4**	
MW468	22 Nov 2023	0908_MW468_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.14		*10.1*		**11.4**	
MW468	18 Apr 2024	0908_MW468_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.11		*7.23*		**8.34**	
MW468	24 Sep 2024	0908_MW468_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.27		*12.4*		**15.7**	
MW886	06 Jun 2019	DF1G_MW02_060619	Normal	NSW_0908_FSBGME	On-base	-	0.28		*46.4*		**50.4**	
MW886	29 Apr 2021	0908_MW886_210429	Normal	NSW_0908_PCAEST0013	On-base	-	0.55		*59*		**63.3**	
MW886	23 Apr 2024	0908_MW886_240423	Normal	NSW_0908_PFASOMP_24	On-base	-	0.20	New Minimum	*66.2*	New Maximum	**68**	New Maximum
MW104D	11 Nov 2014	MW104_D_11112014	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	**2.6**		*70*		**90**	
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	**4.75**		*103*		**136.8**	
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**137**	
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	**2.3**		*101*		**118.6**	
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**119**	
MW104D	27 May 2020	0908_MW104D_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	**1.44**		*58.8*		**72.5**	
MW104D	13 May 2021	0908_MW104D_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	**0.84**		*31.2*		**39.2**	
MW104D	17 May 2022	0908_MW104D_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	**0.88**		*44.3*		**52.3**	
MW104D	17 May 2023	0908_MW104D_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.56		*37.3*		**42.3**	
MW104D	24 Apr 2024	0908_MW104D_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.66**		*36.4*		**42**	
MW104S	11 Nov 2014	MW104_S_11112014	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.02		*0.51*		**1.11**	
MW104S	11 Nov 2014	QC106_GW_11112014	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.06		*0.94*		**2.24**	
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.47		*6.66*		**11.9**	
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**11.92**	
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.32		*19.6*		**22.3**	
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**22.31**	
MW104S	27 May 2020	0908_MW104S_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.35		*25.6*		**29.1**	
MW104S	13 May 2021	0908_MW104S_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.19		*6.43*		**8.57**	
MW104S	17 May 2022	0908_MW104S_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.07		*4.76*		**5.61**	
MW104S	17 May 2023	0908_MW104S_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.04		*2.25*		**3.17**	
MW104S	24 Apr 2024	0908_MW104S_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.38		*3.65*		**10.7**	
MW126D	19 Dec 2016	MW126D_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01		<0.01		0.02	
MW126D	07 Feb 2017	MW126D_GW_07022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	26 Mar 2018	MW126D_GW_26032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	20 Nov 2018	0908_MW126D_181120	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	21 May 2019	0908_MW126D_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	01 Nov 2019	0908_MW126D_191101	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		*0.47*		**0.5**	
MW126D	13 May 2020	0908_MW126D_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		*0.02*		0.02	
MW126D	24 Nov 2020	0908_MW126_D_201124	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		*0.04*		0.04	
MW126D	19 May 2021	0908_MW126D_210519	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	19 May 2021	0908_QC204_210519	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		<0.02		<0.01	
MW126D	09 Nov 2021	0908_MW126D_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	31 May 2022	0908_MW126D_220531	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		*0.01*		0.01	
MW126D	09 Nov 2022	0908_MW126D_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	11 May 2023	0908_MW126D_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	23 Nov 2023	0908_MW126D_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	16 Apr 2024	0908_MW126D_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	16 Apr 2024	0908_QC102_240416	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01		*0.01*		0.01	
MW126D	16 Apr 2024	0908_QC202_240416	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126D	23 Sep 2024	0908_MW126D_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	<0.01		<0.01		<0.01	
MW126S	13 Nov 2014	MW126_13112014	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.04		*0.07*		**0.56**	
MW126S	03 Feb 2016	MW126_03022016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.16		*0.49*		**0.49**	
MW126S	19 Dec 2016	MW126S_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.33		*2.26*		**8.37**	
MW126S	26 Mar 2018	MW126S_GW_26032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.09		*1.44*		**3.03**	
MW126S	26 Mar 2018	QC100_GW_26032018	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.09		*1.42*		**3.11**	
MW126S	26 Mar 2018	QC200_GW_26032018	Interlab_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.077		*0.65*		**1.95**	
MW126S	26 Nov 2018	0908_MW126S_181126	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.13		*1.63*		**4.27**	
MW126S	21 May 2019	0908_MW126S_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.38		*3.6*		**10.6**	
MW126S	21 May 2019	0908_MW126S_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**10.64**	
MW126S	21 May 2019	0908_QC100_190521	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.38		*3.63*		**10.9**	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW126S	21 May 2019	0908_QC100_190521	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**10.92**	
MW126S	21 May 2019	0908_QC200_190521	Interlab_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.32		*3.1*		**11.3**	
MW126S	01 Nov 2019	0908_MW126S_191101	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.35		*3.86*		**10.9**	
MW126S	13 May 2020	0908_MW126S_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.53		*8.44*		**17.1**	
MW126S	13 May 2020	0908_QC102_200513	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.56		*9.2*		**17.7**	
MW126S	13 May 2020	0908_QC202_200513	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.32		*5.3*		**11.3**	
MW126S	24 Nov 2020	0908_MW126_S_201124	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.54		*9.88*		**16.6**	
MW126S	19 May 2021	0908_MW126S_210519	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.40		*10.2*		**17.5**	
MW126S	09 Nov 2021	0908_MW126S_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.25		*6.08*		**12.3**	
MW126S	31 May 2022	0908_MW126S_220531	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.28		*6.02*		**11**	
MW126S	09 Nov 2022	0908_MW126S_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.45		*7.02*		**17.3**	
MW126S	11 May 2023	0908_MW126S_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	**0.68**		*7.94*		**21**	
MW126S	11 May 2023	0908_QC112_230511	Field_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.54		*7.4*		**20.7**	
MW126S	11 May 2023	0908_QC212_230511	Interlab_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.52		*7*		**23**	
MW126S	23 Nov 2023	0908_MW126S_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.35		*4.25*		**11.3**	
MW126S	16 Apr 2024	0908_MW126S_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.16		*2.57*		**6.11**	
MW126S	16 Apr 2024	0908_QC104_240416	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.13		*3.25*		**6.63**	
MW126S	16 Apr 2024	0908_QC204_240416	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.17		*2.8*		**6.2**	
MW126S	23 Sep 2024	0908_MW126S_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.28		*4.74*		**10.3**	
MW178	26 Feb 2016	MW178_26022016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW178	26 Feb 2016	QC142_WG_26022016	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW178	10 Jan 2017	MW178_GW_10012017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW178	27 Mar 2018	MW178_GW_27032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW178	26 Nov 2018	0908_MW178_181126	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW178	21 May 2019	0908_MW178_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW178	07 Nov 2019	0908_MW178_191107	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW178	04 Jun 2020	0908_MW178_200604	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW178	24 Nov 2020	0908_MW178_201124	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		0.06	
MW178	19 May 2021	0908_MW178_210519	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		*0.08*		**0.2**	
MW178	15 Nov 2021	0908_MW178_211115	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		*0.02*		**0.13**	
MW178	15 Nov 2021	0908_QC107_211115	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		*0.03*		**0.16**	
MW178	01 Jun 2022	0908_MW178_220601	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		*0.04*		**0.14**	
MW178	09 Nov 2022	0908_MW178_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		*0.11*		**0.41**	
MW178	17 May 2023	0908_MW178_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		*0.08*		**0.23**	
MW178	17 May 2023	0908_QC118_230517	Field_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		*0.1*		**0.28**	
MW178	17 May 2023	0908_QC218_230517	Interlab_D	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		*0.08*		**0.32**	
MW178	21 Nov 2023	0908_MW178_231121	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	0.01		*0.1*		**0.44**	
MW178	22 Apr 2024	0908_MW178_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		*0.07*		**0.15**	
MW178	23 Sep 2024	0908_MW178_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		*0.05*		**0.27**	
MW184D	02 Mar 2017	MW184D_170302	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	**1.16**		*41*		**50.78**	
MW184D	02 Mar 2017	MW184D_170302	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**50.8**	
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.52		*30.2*		**34.17**	
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**34.2**	
MW184D	27 May 2020	0908_MW184D_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.52		*21.8*		**27.2**	
MW184D	13 May 2021	0908_MW184D_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.14		*5.36*		**7.06**	
MW184D	13 May 2021	0908_QC200_210513	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.13		*4.2*		**5.5**	
MW184D	17 May 2022	0908_MW184D_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.16		*5.22*		**6.68**	
MW184D	17 May 2023	0908_MW184D_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.15		*4.43*		**6.03**	
MW184D	24 Apr 2024	0908_MW184D_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.18		*5.87*		**7.43**	
MW184S	02 Mar 2017	MW184S_170302	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	**0.8**		*23.4*		**33.8**	
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.29		*20.1*		**22.7**	
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	-		-		**22.72**	
MW184S	27 May 2020	0908_MW184S_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.04		*5.52*		**6.04**	
MW184S	13 May 2021	0908_MW184S_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.05		*2.68*		**3.95**	
MW184S	13 May 2021	0908_QC100_210513	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.05		*2.63*		**3.88**	
MW184S	17 May 2022	0908_MW184S_220517	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.03		*2.8*		**3.99**	
MW184S	17 May 2023	0908_MW184S_230517	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	0.08		*8.82*		**9.92**	
MW184S	24 Apr 2024	0908_MW184S_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.01		*1.82*		**2.16**	New Minimum
MW188D	19 Dec 2016	MW188D_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.07		*0.72*		**1.24**	
MW188D	03 Feb 2017	MW188D_GW_03022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.14		*0.91*		**2.22**	
MW188D	27 Mar 2018	MW188D_GW_27032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.08		*0.66*		**1.39**	
MW188D	20 Nov 2018	0908_MW188D_181120	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.07		*0.38*		**0.79**	
MW188D	22 May 2019	0908_MW188D_190522	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.08		*0.55*		**1.27**	
MW188D	13 May 2020	0908_MW188D_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.25		*5.41*		**8.52**	
MW188D	12 May 2021	0908_MW188D_210512	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.05		*0.99*		**1.7**	
MW188D	18 Apr 2024	0908_MW188D_240418	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.19		*3.41*		**5.29**	
MW188S	22 Jan 2016	MW188_22012016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.09		*0.49*		**0.49**	
MW188S	22 Jan 2016	QC111_WG_22012016	Field_D	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.08		*0.5*		**0.5**	
MW188S	19 Dec 2016	MW188S_GW_19122016	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.02		*0.91*		**1.15**	
MW188S	03 Feb 2017	MW188S_GW_03022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.04		*0.66*		**0.82**	
MW188S	27 Mar 2018	MW188S_GW_27032018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	0.02		*0.34*		**0.39**	
MW188S	20 Nov 2018	0908_MW188S_181120	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01		*0.68*		**0.85**	
MW188S	21 May 2019	0908_MW188S_190521	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone A	<0.01		*0.19*		**0.23**	
MW188S	13 May 2020	0908_MW188S_200513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.08		*3.14*		**3.8**	
MW188S	12 May 2021	0908_MW188S_210512	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	0.09		*2.93*		**3.75**	
MW188S	31 May 2022	0908_MW188S_220531	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone A	<0.01		*0.02*		0.02	
MW188S	11 May 2023	0908_MW188S_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone A	<0.01		*0.02*		0.02	
MW188S	16 Apr 2024	0908_MW188S_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	0.01		*0.14*		**0.25**	
MW238D	17 Feb 2017	MW238D_GW_17022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	28 Nov 2018	0908_MW238D_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	06 Jun 2019	0908_MW238D_190606	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	08 Nov 2019	0908_MW238D_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	27 May 2020	0908_MW238D_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	13 Nov 2020	0908_MW238_D_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	10 May 2021	0908_MW238D_210510	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	11 Nov 2021	0908_MW238D_211111	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	16 May 2022	0908_MW238D_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	14 Nov 2022	0908_MW238D_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	15 May 2023	0908_MW238D_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	27 Nov 2023	0908_MW238D_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	22 Apr 2024	0908_MW238D_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238D	19 Sep 2024	0908_MW238D_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	17 Feb 2017	MW238S_GW_17022017	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	28 Nov 2018	0908_MW238S_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	06 Jun 2019	0908_MW238S_190606	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	08 Nov 2019	0908_MW238S_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	27 May 2020	0908_MW238S_200527	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	13 Nov 2020	0908_MW238_S_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	10 May 2021	0908_MW238S_210510	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	11 Nov 2021	0908_MW238S_211111	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	16 May 2022	0908_MW238S_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	14 Nov 2022	0908_MW238S_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	15 May 2023	0908_MW238S_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	27 Nov 2023	0908_MW238S_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	22 Apr 2024	0908_MW238S_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW238S	19 Sep 2024	0908_MW238S_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	15 Mar 2017	MW271D_GW_150317	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	13 Apr 2018	MW271D_GW_13042018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	28 Nov 2018	0908_MW271D_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	13 Jun 2019	0908_MW271D_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	08 Nov 2019	0908_MW271D_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	26 May 2020	0908_MW271D_200526	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	13 Nov 2020	0908_MW271_D_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	12 Nov 2021	0908_MW271D_211112	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	16 May 2022	0908_MW271D_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	14 Nov 2022	0908_MW271D_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	15 May 2023	0908_MW271D_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271D	27 Nov 2023	0908_MW271D_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		0.01	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW271D	24 Apr 2024	0908_MW271D_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		*0.03*	New Maximum, First-time Detection, New Exceedance	0.05	New Maximum
MW271D	19 Sep 2024	0908_MW271D_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271S	15 Mar 2017	MW271S_GW_150317	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271S	13 Apr 2018	MW271S_GW_13042018	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271S	28 Nov 2018	0908_MW271S_181128	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271S	13 Jun 2019	0908_MW271S_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271S	08 Nov 2019	0908_MW271S_191108	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW271S	26 May 2020	0908_MW271S_200526	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		**0.08**	
MW271S	13 Nov 2020	0908_MW271_S_201113	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		0.03	
MW271S	12 Nov 2021	0908_MW271S_211112	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		*0.01*		0.02	
MW271S	16 May 2022	0908_MW271S_220516	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		*0.01*		0.03	
MW271S	14 Nov 2022	0908_MW271S_221114	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW271S	15 May 2023	0908_MW271S_230515	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW271S	27 Nov 2023	0908_MW271S_231127	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW271S	24 Apr 2024	0908_MW271S_240424	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		<0.01		**0.13**	New Maximum
MW271S	19 Sep 2024	0908_MW271S_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone C	<0.01		<0.01		0.03	
MW278D	03 Mar 2017	MW278D_170303	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01		*0.05*		0.05	
MW278D	23 May 2019	0908_MW278D_190523	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	07 Nov 2019	0908_MW278D_191107	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	28 May 2020	0908_MW278D_200528	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	27 Nov 2020	0908_MW278_D_201127	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	13 May 2021	0908_MW278D_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	13 May 2021	0908_QC202_210513	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.02		<0.01	
MW278D	09 Nov 2021	0908_MW278D_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	09 Nov 2022	0908_MW278D_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	09 Nov 2022	0908_QC112_221109	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	09 Nov 2022	0908_QC212_221109	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	11 May 2023	0908_MW278D_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	21 Nov 2023	0908_MW278D_231121	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	16 Apr 2024	0908_MW278D_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278D	23 Sep 2024	0908_MW278D_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	03 Mar 2017	MW278S_170303	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	23 May 2019	0908_MW278S_190523	Normal	NSW_0908_PFAS	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	07 Nov 2019	0908_MW278S_191107	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	28 May 2020	0908_MW278S_200528	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	27 Nov 2020	0908_MW278_S_201127	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		*0.02*		0.02	
MW278S	13 May 2021	0908_MW278S_210513	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	09 Nov 2021	0908_MW278S_211109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	09 Nov 2022	0908_MW278S_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	11 May 2023	0908_MW278S_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	21 Nov 2023	0908_MW278S_231121	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	16 Apr 2024	0908_MW278S_240416	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW278S	23 Sep 2024	0908_MW278S_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW731D	08 Dec 2020	0908_MW731D_201208	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.16		*3.36*		**5.22**	
MW731D	09 May 2024	0908_MW731D_240509	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.58**	New Maximum, New Exceedance	*14.5*	New Maximum	**20.9**	New Maximum
MW731D	23 Sep 2024	0908_MW731D_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.61**	New Maximum	*16.2*	New Maximum	**23.5**	New Maximum
MW731S	08 Dec 2020	0908_MW731S_201208	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.30		*18.3*		**21.6**	
MW731S	09 Dec 2020	0908_MW731S_201209	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.36		*18.4*		**22.1**	
MW731S	09 Dec 2020	0908_QC200_201209	Interlab_D	NSW_0908_PFASMGMT	Primary Management Zone	Risk Zone A	0.27		*13*		**15.8**	
MW731S	02 Aug 2024	0908_MW731S_240802	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.59**	New Maximum, New Exceedance	*19.6*	New Maximum	**25**	New Maximum
MW731S	23 Sep 2024	0908_MW731S_240923	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Risk Zone A	**0.90**	New Maximum	*20.5*	New Maximum	**26.8**	New Maximum
MW107D	13 Apr 2015	MW107-D_20150413	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	10 Mar 2016	MW107D_10032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	01 Feb 2017	MW107D_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW107D	01 Feb 2017	QC820_GW_01022017	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.02		<0.01		<0.02	
MW107D	01 May 2018	MW107D_GW_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	07 Aug 2018	0908_MW107D_180807	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	07 Sep 2018	0908_MW107D_180907	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	05 Oct 2018	0908_MW107D_181005	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	27 Nov 2018	0908_MW107D_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	23 Jan 2019	0908_MW107D_190123	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	23 Jan 2019	0908_QC101_190123	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	23 Jan 2019	0908_QC201_190123	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.02		<0.01	
MW107D	29 Mar 2019	0908_MW107D_190329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	31 May 2019	0908_MW107D_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	18 Jun 2019	0908_MW107D_190618	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		<0.002	
MW107D	25 Sep 2019	0908_MW107D_190925	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		<0.0003		<0.0003	
MW107D	19 Nov 2019	0908_MW107D_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	19 Nov 2019	0908_QC107_191119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	19 Nov 2019	0908_QC207_191119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.02		<0.01	
MW107D	02 Dec 2019	0908_MW107D_191202	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005		*0.0042*		0.0042	
MW107D	12 Mar 2020	0908_MW107D_200312	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0053*		0.0053	
MW107D	19 May 2020	0908_MW107D_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	23 Jun 2020	0908_MW107D_200623	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		*0.002*		0.002	
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		<0.002	
MW107D	19 Nov 2020	0908_MW107_D_201119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	11 Jan 2021	0908_MW107_D_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0012*		0.0012	
MW107D	20 Sep 2021	0908_MW107D_210920	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		<0.002	
MW107D	17 Nov 2021	0908_MW107D_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	17 Nov 2021	0908_QC111_211117	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	13 Jan 2022	0908_MW107D_220113	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		<0.0003		<0.0003	
MW107D	11 Nov 2022	0908_MW107D_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	12 May 2023	0908_MW107D_230512	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	23 Nov 2023	0908_MW107D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	23 Apr 2024	0908_MW107D_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107D	23 Sep 2024	0908_MW107D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	13 Apr 2015	MW107-S_20150413	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	10 Mar 2016	MW107S_10032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	10 Mar 2016	QC150_10032016	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	01 Feb 2017	MW107S_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW107S	01 Feb 2017	QC721_GW_01022017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW107S	01 May 2018	MW107S_GW_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	07 Aug 2018	0908_MW107S_180807	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	07 Sep 2018	0908_MW107S_180907	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	05 Oct 2018	0908_MW107S_181005	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	27 Nov 2018	0908_MW107S_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	23 Jan 2019	0908_MW107S_190123	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	29 Mar 2019	0908_MW107S_190329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	29 Mar 2019	0908_QC100_190329	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	29 Mar 2019	0908_QC200_190329	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.02		<0.01	
MW107S	22 May 2019	0908_QC200_190522	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	0.12		*8.8*		**10.2**	
MW107S	31 May 2019	0908_MW107S_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	18 Jun 2019	0908_MW107S_190618	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		<0.002	
MW107S	18 Jun 2019	0908_QC100_190618	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	25 Sep 2019	0908_MW107S_190925	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		<0.0003		<0.0003	
MW107S	19 Nov 2019	0908_MW107S_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	02 Dec 2019	0908_MW107S_191202	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005		*0.001*		0.001	
MW107S	12 Mar 2020	0908_MW107S_200312	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0029*		0.0029	
MW107S	19 May 2020	0908_MW107S_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	23 Jun 2020	0908_MW107S_200623	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		<0.002	
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		<0.002	
MW107S	19 Nov 2020	0908_MW107_S_201119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	11 Jan 2021	0908_MW107_S_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0004*		0.0004	

Table E1 - Historical Groundwater Analytical Results and Deviations

								PFAS Results and Deviations					
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L	
LOR								0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water								**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water								**10**				**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**							
MW107S	11 Jan 2021	0908_QC100_210111	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0003*		0.0003	
MW107S	11 Jan 2021	0908_QC200_210111	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.001		<0.002		<0.001	
MW107S	20 Sep 2021	0908_MW107S_210920	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		0.002	
MW107S	17 Nov 2021	0908_MW107S_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	13 Jan 2022	0908_MW107S_220113	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0008*		0.0024	
MW107S	11 Nov 2022	0908_MW107S_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	12 May 2023	0908_MW107S_230512	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	23 Nov 2023	0908_MW107S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	23 Apr 2024	0908_MW107S_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW107S	23 Sep 2024	0908_MW107S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW121	13 Nov 2014	MW121_13112014	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	25 Jan 2016	MW121_25012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	10 Jan 2017	MW121_GW_10012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.02	
MW121	26 Mar 2018	QC201_GW_26032018	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.02		<0.03	
MW121	28 Mar 2018	MW121_GW_28032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	28 Mar 2018	QC101_GW_28032018	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	20 Nov 2018	0908_MW121_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	23 May 2019	0908_MW121_90523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	04 Nov 2019	0908_MW121_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	18 May 2020	0908_MW121_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	23 Nov 2020	0908_MW121_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.15*		**0.32**	
MW121	13 May 2021	0908_MW121_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.04*		0.07	
MW121	09 Nov 2021	0908_MW121_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	18 May 2022	0908_MW121_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.16*		**0.2**	
MW121	08 Nov 2022	0908_MW121_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.02	
MW121	08 Nov 2022	0908_QC110_221108	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.03	
MW121	08 Nov 2022	0908_QC210_221108	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.02	
MW121	09 May 2023	0908_MW121_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.02	
MW121	09 May 2023	0908_QC106_230509	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW121	09 May 2023	0908_QC206_230509	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.01*		0.01	
MW121	20 Nov 2023	0908_MW121_231120	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.02	
MW121	16 Apr 2024	0908_MW121_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.05*		0.07	
MW121	16 Apr 2024	0908_QC101_240416	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.08**	
MW121	16 Apr 2024	0908_QC201_240416	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.04*		0.05	
MW122	13 Nov 2014	MW122_13112014	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.03	
MW122	15 Feb 2016	MW122_15022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.05	
MW122	15 Feb 2016	QC135_WG_15022016	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.05	
MW122	06 Apr 2018	MW122_GW_06042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW122	21 Nov 2018	0908_MW122_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW122	21 Nov 2018	0908_QC102_181121	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW122	21 Nov 2018	0908__QC201_181121	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.02		0.039	
MW122	23 May 2019	0908_MW122_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.02	
MW122	23 May 2019	0908_MW122_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		-		0.03	
MW122	05 Nov 2019	0908_MW122_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.02	
MW122	20 May 2020	0908_MW122_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.02	
MW122	24 Nov 2020	0908_MW122_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW122	18 May 2022	0908_MW122_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.02	
MW122	10 Nov 2022	0908_MW122_221110	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.03	
MW122	19 May 2023	0908_MW122_230519	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.02	
MW122	21 Nov 2023	0908_MW122_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW122	16 Apr 2024	0908_MW122_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.01	
MW123	12 Nov 2014	MW123_12112014	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.48*		**0.73**	
MW123	08 Oct 2015	MW123	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.02		*0.1*		**0.1**	
MW123	29 Jan 2016	MW123_29012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		*0.76*		**0.76**	
MW123	11 Jan 2017	MW123_GW_11012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		*1.12*		**1.53**	
MW123	28 Mar 2018	MW123_GW_28032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		*0.8*		**1.48**	
MW123	20 Nov 2018	0908_MW123_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		*0.67*		**1.17**	
MW123	23 May 2019	0908_MW123_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04		*0.87*		**1.88**	
MW123	05 Nov 2019	0908_MW123_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04		*0.89*		**1.93**	
MW123	26 May 2021	0908_MW123_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.58*		**1.12**	
MW123	09 Nov 2021	0908_MW123_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01		*0.34*		**0.59**	
MW123	09 Nov 2021	0908_QC101_211109	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01		*0.37*		**0.64**	
MW123	18 May 2022	0908_MW123_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.1*		**0.18**	
MW123	08 Nov 2022	0908_MW123_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.4*		**0.73**	
MW123	09 May 2023	0908_MW123_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02		*0.41*		**0.8**	
MW123	21 Nov 2023	0908_MW123_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.01		*0.35*		**0.56**	
MW123	16 Apr 2024	0908_MW123_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.09*	New Minimum	**0.14**	
MW125D	07 Feb 2017	MW125D_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	26 Mar 2018	MW125D_GW_26032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	20 Nov 2018	0908_MW125D_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	-		-		0.03	
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	01 Nov 2019	0908_MW125D_191101	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	13 May 2020	0908_MW125D_200513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	24 Nov 2020	0908_MW125_D_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	13 May 2021	0908_MW125D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	09 Nov 2021	0908_MW125D_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	09 Nov 2022	0908_MW125D_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	09 May 2023	0908_MW125D_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	21 Nov 2023	0908_MW125D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125D	16 Apr 2024	0908_MW125D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW125D	23 Sep 2024	0908_MW125D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		*0.02*	New Maximum	0.02	
MW125S	26 Mar 2018	MW125S_GW_26032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	0.02		*0.02*		**0.08**	
MW125S	20 Nov 2018	0908_MW125S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	22 May 2019	0908_MW125_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW125S	22 May 2019	0908_MW125_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	-		-		0.03	
MW125S	01 Nov 2019	0908_MW125S_191101	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.03	
MW125S	13 May 2020	0908_MW125S_200513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	13 Nov 2020	0908_MW125_S_201113	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	13 May 2021	0908_MW125S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	09 Nov 2021	0908_MW125S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	09 Nov 2022	0908_MW125S_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	09 May 2023	0908_MW125S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	21 Nov 2023	0908_MW125S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	16 Apr 2024	0908_MW125S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW125S	23 Sep 2024	0908_MW125S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	14 Apr 2015	MW130-D_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	31 Jan 2017	MW130D_GW_31022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	27 Apr 2018	MW130D_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	27 Nov 2018	0908_MW130D_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	30 May 2019	0908_MW130D_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	06 Nov 2019	0908_MW130D_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	14 May 2020	0908_MW130D_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	25 Nov 2020	0908_MW130_D_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	15 Nov 2021	0908_MW130D_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW130D	01 Jun 2022	0908_MW130D_220601	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	08 Nov 2022	0908_MW130D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	11 May 2023	0908_MW130D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	27 Nov 2023	0908_MW130D_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	27 Nov 2023	0908_QC109_231127	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW130D	27 Nov 2023	0908_QC209_231127	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW130D	24 Apr 2024	0908_MW130D_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW130D	24 Apr 2024	0908_QC116_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130D	26 Sep 2024	0908_MW130D_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	14 Apr 2015	MW130-S_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	31 Jan 2017	MW130S_GW_31012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	31 Jan 2017	QC719_GW_31012017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	27 Apr 2018	MW130S_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW130S	21 Nov 2018	0908_MW130S_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	30 May 2019	0908_MW130S_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	06 Nov 2019	0908_MW130S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	14 May 2020	0908_MW130S_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	25 Nov 2020	0908_MW130_S_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	15 Nov 2021	0908_MW130S_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW130S	08 Nov 2022	0908_MW130S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW130S	11 May 2023	0908_MW130S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	27 Nov 2023	0908_MW130S_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	27 Nov 2023	0908_QC107_231127	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	27 Nov 2023	0908_QC207_231127	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	24 Apr 2024	0908_MW130S_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	24 Apr 2024	0908_QC114_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	24 Apr 2024	0908_QC214_240424	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW130S	26 Sep 2024	0908_MW130S_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW132D	14 Apr 2015	MW132-D_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01		<0.01		0.07	
MW132D	01 Feb 2017	MW132D_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.07*		**0.44**	
MW132D	27 Apr 2018	MW132D_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.08*		**0.8**	
MW132D	27 Nov 2018	0908_MW132D_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.09*		**1.19**	
MW132D	22 May 2019	0908_MW132D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		*0.1*		**1.21**	
MW132D	06 Nov 2019	0908_MW132D_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.07		*0.08*		**2.33**	
MW132D	14 May 2020	0908_MW132D_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.09		*0.1*		**1.66**	
MW132D	17 Nov 2020	0908_MW132_D_201117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.05		*0.1*		**1.35**	
MW132D	27 May 2021	0908_MW132D_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.07		*0.14*		**1.14**	
MW132D	15 Nov 2021	0908_MW132D_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.10		*0.31*		**1.08**	
MW132D	15 Nov 2021	0908_QC207_211115	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.08		*0.23*		**1**	
MW132D	30 May 2022	0908_MW132D_220530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06		*0.41*		**1.11**	
MW132D	30 May 2022	0908_QC218_220530	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06		*0.38*		**0.99**	
MW132D	08 Nov 2022	0908_MW132D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04		*0.44*		**1.14**	
MW132D	11 May 2023	0908_MW132D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.03		*0.89*		**1.21**	
MW132D	23 Nov 2023	0908_MW132D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02		*0.78*		**1.01**	
MW132D	23 Nov 2023	0908_QC103_231123	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02		*0.74*		**0.94**	
MW132D	23 Nov 2023	0908_QC203_231123	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02		*0.76*		**1**	
MW132D	22 Apr 2024	0908_MW132D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.02		*0.94*	New Maximum	**1.17**	
MW132D	26 Sep 2024	0908_MW132D_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.01		*1.07*	New Maximum	**1.33**	
MW132I	14 Apr 2015	MW132-I_20150414	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01		<0.01		0.05	
MW132I	14 Apr 2015	QC200-HW_20150414	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.02		*0.93*		**1.21**	
MW132I	18 Jan 2016	MW132I_18012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.78*		**1.18**	
MW132I	01 Feb 2017	MW132I_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.43*		**0.52**	
MW132I	22 May 2019	0908_MW132S_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.46*		**0.71**	
MW132I	06 Nov 2019	0908_MW132S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.84*		**1.29**	
MW132I	14 May 2020	0908_MW132S_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.46*		**0.59**	
MW132I	17 Nov 2020	0908_MW132_S_201117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.74*		**0.84**	
MW132I	27 May 2021	0908_MW132S_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.22*		**0.31**	
MW132I	15 Nov 2021	0908_MW132S_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.4*		**0.58**	
MW132I	30 May 2022	0908_MW132S_220530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.34*		**0.48**	
MW132I	30 May 2022	0908_QC118_220530	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.52*		**0.72**	
MW132I	08 Nov 2022	0908_MW132S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.24*		**0.29**	
MW132I	11 May 2023	0908_MW132S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.22*		**0.27**	
MW132I	23 Nov 2023	0908_MW132S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.18*		**0.23**	
MW132I	23 Nov 2023	0908_QC105_231123	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.18*		**0.22**	
MW132I	23 Nov 2023	0908_QC205_231123	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.16*		**0.22**	
MW132I	22 Apr 2024	0908_MW132S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.18*		**0.23**	
MW132I	26 Sep 2024	0908_MW132I_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.22*		**0.26**	
MW146AD	07 Feb 2017	MW146D_A_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	20 Nov 2018	0908_MW146D_A_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	21 May 2019	0908_MW146D_A_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	06 Nov 2019	0908_MW146D_A_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	26 Nov 2020	0908_MW146A_D_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	13 May 2021	0908_MW146AD_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	13 May 2021	0908_QC102_210513	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	09 Nov 2021	0908_MW146AD_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	31 May 2022	0908_MW146AD_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.27*		**0.28**	
MW146AD	09 Nov 2022	0908_MW146AD_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.1*		**0.1**	
MW146AD	09 May 2023	0908_MW146AD_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146AD	23 Nov 2023	0908_MW146AD_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		*0.03*		0.03	
MW146AD	16 Apr 2024	0908_MW146AD_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	0.04	New Maximum, First-time Detection	*1.87*	New Maximum	**2.47**	New Maximum, New Exceedance
MW146AD	23 Sep 2024	0908_MW146AD_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	03 Feb 2016	MW146S_03022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	20 Dec 2016	MW146S_GW_20122016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	26 Mar 2018	MW146S_GW_26032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	20 Nov 2018	0908_MW146S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	21 May 2019	0908_MW146S_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	06 Nov 2019	0908_MW146S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	20 May 2020	0908_MW146S_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	26 Nov 2020	0908_MW146_S_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	09 Nov 2021	0908_MW146S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW146S	09 Nov 2022	0908_MW146S_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	09 May 2023	0908_MW146S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	24 Nov 2023	0908_MW146S_231124	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	16 Apr 2024	0908_MW146S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW146S	23 Sep 2024	0908_MW146S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		*0.02*	New Maximum	0.03	New Maximum
MW147D	04 Mar 2016	MW147D_04032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW147D	02 Feb 2017	MW147D_GW_02022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW147D	17 Apr 2018	MW147D_GW_17042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW147D	04 Jun 2019	0908_MW147D_190604	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW147D	28 May 2020	0908_MW147D_200528	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW147D	27 May 2021	0908_MW147D_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW147D	17 May 2022	0908_MW147D_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW147D	15 May 2023	0908_MW147D_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW147D	22 Apr 2024	0908_MW147D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW147S	04 Mar 2016	MW147S_04032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW147S	02 Feb 2017	MW147S_GW_02022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW147S	09 Apr 2018	MW147S_GW_09042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		*0.07*		**0.25**	
MW147S	04 Jun 2019	0908_MW147S_190604	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW147S	28 May 2020	0908_MW147S_200528	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.03*		**0.09**	
MW147S	27 May 2021	0908_MW147S_210527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW147S	17 May 2022	0908_MW147S_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.01		*0.03*		**0.16**	
MW147S	15 May 2023	0908_MW147S_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		*0.03*		**0.11**	
MW147S	22 Apr 2024	0908_MW147S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		*0.05*		**0.17**	
MW150D	07 Feb 2017	MW150D_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04		*0.15*		**1.39**	
MW150D	10 May 2023	0908_MW150D_230510	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.06		*0.25*		**2.06**	
MW150D	16 Apr 2024	0908_MW150D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	New Minimum	<0.01	New Minimum	0.02	New Minimum
MW150S	01 Feb 2016	MW150_01022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.04*		0.04	
MW150S	07 Feb 2017	MW150S_GW_07022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.2*		**0.25**	
MW150S	10 May 2023	0908_MW150S_230510	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.03*		0.04	
MW150S	16 Apr 2024	0908_MW150S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		<0.01	New Minimum	<0.01	New Minimum
MW160	07 Mar 2016	MW160_07032016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW160	30 Jan 2017	MW160_GW_30012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW160	27 Apr 2018	MW160_GW_27042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW160	21 Nov 2018	0908_MW160_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW160	06 Nov 2019	0908_MW160_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02		*3.11*		**3.3**	
MW160	14 May 2020	0908_MW160_200514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW160	17 Nov 2020	0908_MW160_201117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW160	24 May 2021	0908_MW160_210524	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.04	
MW160	15 Nov 2021	0908_MW160_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.03	
MW160	15 Nov 2021	0908_QC206_211115	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW160	31 May 2022	0908_MW160_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW160	31 May 2022	0908_QC119_220531	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.05	
MW160	08 Nov 2022	0908_MW160_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW160	11 May 2023	0908_MW160_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.03	
MW160	23 Nov 2023	0908_MW160_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW160	22 Apr 2024	0908_MW160_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	0.03	New Maximum	*0.98*		**1.12**	
MW160	26 Sep 2024	0908_MW160_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW161D	26 Feb 2016	MW161D_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.04*		0.06	
MW161D	26 Feb 2016	MW161D_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*0.13*		-	
MW161D	08 Feb 2017	MW161D_GW_08022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.14		*3.78*		**5.58**	
MW161D	30 May 2019	0908_MW161D_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.08		*2.85*		**3.88**	
MW161D	21 May 2020	0908_MW161D_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06		*2.22*		**3.23**	
MW161D	26 May 2021	0908_MW161D_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.05		*1.6*		**2.46**	
MW161D	01 Jun 2022	0908_MW161D_220601	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06		*1.94*		**2.79**	
MW161D	11 May 2023	0908_MW161D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.05		*1.89*		**2.63**	
MW161D	22 Apr 2024	0908_MW161D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		<0.01	New Minimum	<0.01	
MW161S	26 Feb 2016	MW161S_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04		*2.26*		**3.58**	
MW161S	26 Feb 2016	MW161S_26022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.07		*2.98*		-	
MW161S	08 Feb 2017	MW161S_GW_08022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.08		*2.66*		**4.06**	
MW161S	30 May 2019	0908_MW161S_190530	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		*1.91*		**3**	
MW161S	21 May 2020	0908_MW161S_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.06		*2.39*		**3.61**	
MW161S	26 May 2021	0908_MW161S_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.05		*3.64*		**4.6**	
MW161S	01 Jun 2022	0908_MW161S_220601	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.07		*2.39*		**3.23**	
MW161S	11 May 2023	0908_MW161S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.04		*1.84*		**2.56**	
MW161S	22 Apr 2024	0908_MW161S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	New Minimum	<0.01	New Minimum	<0.01	
MW162D	29 Jan 2016	MW162D_29012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	10 Jan 2017	MW162D_GW_10012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.02	
MW162D	27 Mar 2018	MW162D_GW_27032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	20 Nov 2018	0908_MW162D_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	22 May 2019	0908_MW162D_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	04 Nov 2019	0908_MW162D_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	18 May 2020	0908_MW162D_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	23 Nov 2020	0908_MW162_D_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	18 May 2021	0908_MW162D_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	18 May 2021	0908_QC104_210518	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	12 Nov 2021	0908_MW162D_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	18 May 2022	0908_MW162D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	18 May 2022	0908_QC208_220518	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	07 Nov 2022	0908_MW162D_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	09 May 2023	0908_MW162D_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	09 May 2023	0908_QC215_230509	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.01	
MW162D	21 Nov 2023	0908_MW162D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	21 Nov 2023	0908_QC100_231121	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	21 Nov 2023	0908_QC200_231121	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162D	16 Apr 2024	0908_MW162D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	29 Jan 2016	MW162S_29012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	10 Jan 2017	MW162S_GW_10012017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.02	
MW162S	27 Mar 2018	MW162S_GW_27032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	21 Nov 2018	0908_MW162S_181121	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	22 May 2019	0908_MW162S_190522	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	04 Nov 2019	0908_MW162S_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	18 May 2020	0908_MW162S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	23 Nov 2020	0908_MW162_S_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	18 May 2021	0908_MW162S_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	12 Nov 2021	0908_MW162S_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	18 May 2022	0908_MW162S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	18 May 2022	0908_QC108_220518	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	07 Nov 2022	0908_MW162S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	09 May 2023	0908_MW162S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	09 May 2023	0908_QC115_230509	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	21 Nov 2023	0908_MW162S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW162S	16 Apr 2024	0908_MW162S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW195	27 Jan 2016	MW195_27012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW195	09 Feb 2017	MW195_GW_09022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.07	
MW195	27 Mar 2018	MW195_GW_27032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.17*		**0.33**	
MW195	27 Nov 2018	0908_MW195_181127	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01		*0.06*		**0.28**	
MW195	27 May 2019	0908_MW195_190527	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01		*0.05*		**0.23**	
MW195	13 May 2020	0908_MW195_200513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.08*		**0.3**	
MW195	12 May 2021	0908_MW195_210512	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.05*		**0.12**	
MW195	16 May 2022	0908_MW195_220516	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01		*0.05*		**0.14**	
MW195	09 May 2023	0908_MW195_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.01		*0.1*		**0.2**	
MW195	16 Apr 2024	0908_MW195_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.07*		**0.18**	
MW230S	15 Mar 2017	MW230S_GW_150317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW230S	15 Mar 2017	QC704_150317	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW230S	03 Jun 2019	0908_MW230S_190603	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW230S	14 Nov 2019	0908_MW230S_191114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW230S	27 Nov 2020	0908_MW230_S_201127	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW230S	16 May 2022	0908_MW230S_220516	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW230S	14 Nov 2022	0908_MW230S_221114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW230S	15 May 2023	0908_MW230S_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW230S	27 Nov 2023	0908_MW230S_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.03	
MW230S	23 Apr 2024	0908_MW230S_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW230S	19 Sep 2024	0908_MW230S_230919	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW247D	01 Feb 2017	MW247D_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	01 Feb 2017	QC722_GW_01022017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	28 Feb 2017	MW247D_GW_280217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	12 Apr 2018	MW247D_GW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	12 Apr 2018	QC103_GW_12042018	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	12 Apr 2018	QC203_GW_1204218	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.02		<0.03	
MW247D	30 Nov 2018	0908_MW247D_181130	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	31 May 2019	0908_MW247D_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	06 Nov 2019	0908_MW247D_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.03*		0.03	
MW247D	15 May 2020	0908_MW247D_200515	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.01*		0.01	
MW247D	24 Nov 2020	0908_MW247_D_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW247D	18 May 2021	0908_MW247D_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.05*		0.05	
MW247D	12 Nov 2021	0908_MW247D_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.05*		0.06	
MW247D	12 Nov 2021	0908_QC106_211112	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.05*		0.06	
MW247D	18 May 2022	0908_MW247D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.08**	
MW247D	08 Nov 2022	0908_MW247D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.07*		**0.1**	
MW247D	08 May 2023	0908_MW247D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.07*		**0.11**	
MW247D	24 Nov 2023	0908_MW247D_231124	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.07*		**0.11**	
MW247D	22 Apr 2024	0908_MW247D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.1**	
MW247D	23 Sep 2024	0908_MW247D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.1**	
MW247D	23 Sep 2024	0908_QC107_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.1**	
MW247D	23 Sep 2024	0908_QC207_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.1**	
MW247S	01 Feb 2017	MW247S_GW_01022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		*0.21*		**0.97**	
MW247S	01 Feb 2017	QC821_GW_01022017	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.037		*0.19*		**1.29**	
MW247S	28 Feb 2017	MW247S_GW_280217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.09		*0.27*		**1.48**	
MW247S	12 Apr 2018	MW247S_GW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.06		*1.24*		**1.74**	
MW247S	30 Nov 2018	0908_MW247S_181130	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.48*		**1.09**	
MW247S	31 May 2019	0908_MW247S_190531	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*1.88*		**2.17**	
MW247S	06 Nov 2019	0908_MW247S_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*1.35*		**1.79**	
MW247S	15 May 2020	0908_MW247S_200515	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*1.93*		**2.31**	
MW247S	24 Nov 2020	0908_MW247_S_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.93*		**1.03**	
MW247S	18 May 2021	0908_MW247S_210518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.55*		**2.3**	
MW247S	12 Nov 2021	0908_MW247S_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04		*0.96*		**2.05**	
MW247S	18 May 2022	0908_MW247S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.33*		**1.03**	
MW247S	08 Nov 2022	0908_MW247S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.46*		**1.32**	
MW247S	08 May 2023	0908_MW247S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.02		*0.24*		**0.78**	
MW247S	24 Nov 2023	0908_MW247S_231124	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.23*		**0.31**	

Table E1 - Historical Groundwater Analytical Results and Deviations

								PFAS Results and Deviations					
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L	
LOR								0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water								**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water								**10**				**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**							
MW247S	22 Apr 2024	0908_MW247S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.01		*0.79*		**1.09**	
MW247S	23 Sep 2024	0908_MW247S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.06*	New Minimum	**0.17**	New Minimum
MW255D	01 Mar 2017	MW255D_GW_010317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.05		<0.05		<0.05	
MW255D	29 Mar 2018	MW255D_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	20 Nov 2018	0908_MW255D_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	23 May 2019	0908_MW255D_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	19 May 2020	0908_MW255D_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	13 May 2021	0908_MW255D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	18 May 2022	0908_MW255D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	18 May 2022	0908_QC106_220518	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	09 May 2023	0908_MW255D_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	09 May 2023	0908_QC109_230509	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	09 May 2023	0908_QC209_230509	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	16 Apr 2024	0908_MW255D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	16 Apr 2024	0908_QC106_240416	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255D	16 Apr 2024	0908_QC206_240416	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	01 Mar 2017	MW255S_GW_010317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	29 Mar 2018	MW255S_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	20 Nov 2018	0908_MW255S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	20 Nov 2018	0908_QC101_181120	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	20 Nov 2018	0908_QC200_181120	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.02		<0.03	
MW255S	23 May 2019	0908_MW255S_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	19 May 2020	0908_MW255S_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	13 May 2021	0908_MW255S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	18 May 2022	0908_MW255S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	18 May 2022	0908_QC206_220518	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	09 May 2023	0908_MW255S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW255S	16 Apr 2024	0908_MW255S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW256D	30 Jan 2017	MW256D_GW_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW256D	29 Mar 2018	MW256D_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	04 Dec 2018	0908_MW256D_18124	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	21 May 2019	0908_MW256D_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	04 Nov 2019	0908_MW256D_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	18 May 2020	0908_MW256D_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW256D	23 Nov 2020	0908_MW256_D_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	13 May 2021	0908_MW256D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	09 Nov 2021	0908_MW256D_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	17 May 2022	0908_MW256D_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	07 Nov 2022	0908_MW256D_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	08 May 2023	0908_MW256D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	08 May 2023	0908_QC101_230508	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	21 Nov 2023	0908_MW256D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	15 Apr 2024	0908_MW256D_240415	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256D	15 Apr 2024	0908_QC100_240415	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW256D	15 Apr 2024	0908_QC200_240415	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	30 Jan 2017	MW256S_GW_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW256S	29 Mar 2018	MW256S_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	20 Nov 2018	0908_MW256S_181120	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	23 May 2019	0908_MW256S_190523	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	04 Nov 2019	0908_MW256S_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	18 May 2020	0908_MW256S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	23 Nov 2020	0908_MW256_S_201123	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	13 May 2021	0908_MW256S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	09 Nov 2021	0908_MW256S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	17 May 2022	0908_MW256S_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	07 Nov 2022	0908_MW256S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	07 Nov 2022	0908_QC100_221107	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	07 Nov 2022	0908_QC200_221107	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	08 May 2023	0908_MW256S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	08 May 2023	0908_QC201_230508	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	21 Nov 2023	0908_MW256S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW256S	16 Apr 2024	0908_MW256S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	31 Jan 2017	MW257D_GW_310117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW257D	29 Mar 2018	MW257D_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	06 Dec 2018	0908_MW257D_18126	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	24 May 2019	0908_MW257D_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	04 Nov 2019	0908_MW257D_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	18 Nov 2020	0908_MW257_D_201118	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	13 May 2021	0908_MW257D_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	09 Nov 2021	0908_MW257D_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	17 May 2022	0908_MW257D_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	07 Nov 2022	0908_MW257D_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02		<0.01		<0.01	
MW257D	08 May 2023	0908_MW257D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	21 Nov 2023	0908_MW257D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	21 Nov 2023	0908_QC101_231121	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	21 Nov 2023	0908_QC201_231121	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257D	16 Apr 2024	0908_MW257D_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	31 Jan 2017	MW257S_GW_310117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW257S	29 Mar 2018	MW257S_GW_29032018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	19 Nov 2018	0908_MW257S_181119	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	21 May 2019	0908_MW257S_190521	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	04 Nov 2019	0908_MW257S_191104	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	18 Nov 2020	0908_MW257_S_201118	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	13 May 2021	0908_MW257S_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	09 Nov 2021	0908_MW257S_211109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	17 May 2022	0908_MW257S_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	17 May 2022	0908_QC202_220517	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	07 Nov 2022	0908_MW257S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	08 May 2023	0908_MW257S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	21 Nov 2023	0908_MW257S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW257S	16 Apr 2024	0908_MW257S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		*0.01*	New Maximum, First-time Detection, New Exceedance	0.01	New Maximum, First-time Detection
MW257S	03 Nov 2024	0908_MW257S_241113	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Risk Zone C	<0.002		<0.002		<0.002	
MW260D	08 Feb 2017	MW260D_GW_080217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW260D	06 Apr 2018	MW260D_GW_06042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW260D	19 Nov 2018	0908_MW260D_181119	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW260D	24 May 2019	0908_MW260D_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.04	
MW260D	24 May 2019	0908_MW260D_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	-		-		0.05	
MW260D	05 Nov 2019	0908_MW260D_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW260D	19 May 2020	0908_MW260D_200519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.03	
MW260D	24 Nov 2020	0908_MW260_D_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW260D	14 May 2021	0908_MW260D_210514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW260D	12 Nov 2021	0908_MW260D_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.03	
MW260D	18 May 2022	0908_MW260D_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW260D	08 Nov 2022	0908_MW260D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW260D	08 May 2023	0908_MW260D_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW260D	21 Nov 2023	0908_MW260D_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW260D	18 Apr 2024	0908_MW260D_240418	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW260S	08 Feb 2017	MW260S_GW_080217	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		*0.09*		**0.12**	
MW260S	06 Apr 2018	MW260S_GW_06042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		*0.02*		0.06	
MW260S	19 Nov 2018	0908_MW260S_181119	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		*0.03*		**0.11**	
MW260S	24 May 2019	0908_MW260S_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW260S	05 Nov 2019	0908_MW260S_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.04	
MW260S	18 May 2020	0908_MW260S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.03*		0.05	
MW260S	24 Nov 2020	0908_MW260_S_201124	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.04*		0.06	
MW260S	14 May 2021	0908_MW260S_210514	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.03*		0.07	
MW260S	12 Nov 2021	0908_MW260S_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.02*		0.03	
MW260S	12 Nov 2021	0908_QC205_211112	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.02*		0.04	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW260S	18 May 2022	0908_MW260S_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.05*		0.07	
MW260S	08 Nov 2022	0908_MW260S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.05*		0.07	
MW260S	08 May 2023	0908_MW260S_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		*0.04*		0.05	
MW260S	21 Nov 2023	0908_MW260S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		*0.03*		0.03	
MW260S	18 Apr 2024	0908_MW260S_240418	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		*0.06*		0.06	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		<0.01		<0.01	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.03		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*0.04*		0.04	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.14		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*0.12*		**0.12**	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.5		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*0.46*		**0.46**	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	**5.81**		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*5.3*		**5.3**	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	***113***		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*70.3*		**70.3**	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*70.3*		**70.3**	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	**1.72**		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*1.57*		**1.57**	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOA	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	***36.9***		-		-	
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOS	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	-		*18*		**18**	
MW279S	06 Mar 2017	MW279S_GW_060317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.01		*0.05*		**1.22**	
MW279S	13 Apr 2018	MW279S_GW_13042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.04		*0.24*		**1.67**	
MW279S	26 Nov 2018	0908_MW279S_181126	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.11*		**1.67**	
MW279S	27 May 2019	0908_MW279S_190527	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	0.02		*0.2*		**1.45**	
MW279S	08 Nov 2019	0908_MW279S_191108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04		*0.18*		**2.34**	
MW279S	18 May 2020	0908_MW279S_200518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.04		*0.45*		**3.08**	
MW279S	25 Nov 2020	0908_MW279_S_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.02		*0.35*		**1.55**	
MW279S	20 May 2021	0908_MW279S_210520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.03		*0.72*		**2.67**	
MW279S	11 Nov 2021	0908_MW279S_211111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01		*0.46*		**1.39**	
MW279S	19 May 2022	0908_MW279S_220519	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01		*0.32*		**1.2**	
MW279S	07 Nov 2022	0908_MW279S_221107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	0.01		*0.18*		**0.71**	
MW279S	09 May 2023	0908_MW279S_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.03		*0.38*		**2.36**	
MW279S	21 Nov 2023	0908_MW279S_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	0.03		*0.32*		**2.6**	
MW279S	16 Apr 2024	0908_MW279S_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.04		*0.8*		**4.3**	
MW279S	25 Sep 2024	0908_MW279S_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	0.03		*0.30*		**1.41**	
MW315D	26 Sep 2019	0908_MW315D_190926	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		<0.0003		0.0219	
MW315D	19 Nov 2019	0908_MW315D_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW315D	03 Dec 2019	0908_MW315D_191203	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005		*0.0016*		0.0196	
MW315D	12 Mar 2020	0908_MW315D_200317	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0053*		0.018	
MW315D	20 May 2020	0908_MW315D_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW315D	08 Jul 2020	0908_MW315D_200708	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0045*		0.0275	
MW315D	29 Sep 2020	0908_MW315D_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		*0.003*		0.031	
MW315D	26 Nov 2020	0908_MW315_D_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW315D	11 Jan 2021	0908_MW315_D_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0029*		0.0375	
MW315D	25 Mar 2021	0908_MW315_D_210325	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0023*		0.0459	
MW315D	20 Sep 2021	0908_MW315D_210921	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0024*		0.0454	
MW315D	14 Jan 2022	0908_MW315D_220114	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		<0.0003		**0.0866**	
MW315D	18 Mar 2022	0908_MW315D_220318	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		0.054	
MW315D	26 May 2022	0908_MW315D_220526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.1**	
MW315D	26 May 2022	0908_QC116_220526	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.16**	
MW315D	30 Jun 2022	0908_MW315D_220630	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		*0.011*		**0.093**	
MW315D	30 Jun 2022	0908_QC103_220630	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		*0.012*		**0.094**	
MW315D	16 Sep 2022	0908_MW315D_220916	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		**0.174**	
MW315D	16 Sep 2022	0908_QC102_220916	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		**0.183**	
MW315D	11 Nov 2022	0908_MW315D_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.12**	
MW315D	18 May 2023	0908_MW315D_230518	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.16**	
MW315D	18 May 2023	0908_QC120_230518	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.2**	
MW315D	18 May 2023	0908_QC220_230518	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.19**	
MW315D	23 Nov 2023	0908_MW315D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.16**	
MW315D	23 Apr 2024	0908_MW315D_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.14**	
MW315D	23 Sep 2024	0908_MW315D_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.2**	
MW315S	26 Sep 2019	0908_MW315S_190926	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		<0.0003		0.0251	
MW315S	19 Nov 2019	0908_MW315S_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW315S	19 Nov 2019	0908_QC108_191119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW315S	19 Nov 2019	0908_QC208_191119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.02		0.017	
MW315S	03 Dec 2019	0908_MW315S_191203	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone C	<0.0005		*0.0077*		0.0291	
MW315S	12 Mar 2020	0908_MW315S_200317	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0076*		0.0173	
MW315S	20 May 2020	0908_MW315S_200520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.03	
MW315S	08 Jul 2020	0908_MW315S_200708	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		<0.0003		0.0257	
MW315S	29 Sep 2020	0908_MW315S_200929	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.002		<0.002		0.018	
MW315S	26 Nov 2020	0908_MW315_S_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.04	
MW315S	11 Jan 2021	0908_MW315_S_210111	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.0005		*0.0076*		0.033	
MW315S	25 Mar 2021	0908_MW315_S_210325	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0006		*0.0008*		0.0689	
MW315S	25 Mar 2021	0908_QC100_210325	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0006		*0.0012*		**0.0774**	
MW315S	25 Mar 2021	0908_QC200_210325	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	<0.001		<0.002		0.064	
MW315S	20 Sep 2021	0908_MW315S_210921	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0019		*0.0008*		0.0209	
MW315S	14 Jan 2022	0908_MW315S_220114	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.0019		<0.0016		0.0248	
MW315S	18 Mar 2022	0908_MW315S_220318	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.004		*0.002*		0.028	
MW315S	26 May 2022	0908_MW315S_220526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW315S	30 Jun 2022	0908_MW315S_220630	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.005		*0.003*		0.027	
MW315S	16 Sep 2022	0908_MW315S_220916	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.003		*0.003*		0.028	
MW315S	16 Sep 2022	0908_QC203_220916	Interlab_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone C	0.004		*0.002*		0.021	
MW315S	11 Nov 2022	0908_MW315S_221111	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW315S	18 May 2023	0908_MW315S_230518	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW315S	23 Nov 2023	0908_MW315S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW315S	23 Apr 2024	0908_MW315S_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW315S	23 Sep 2024	0908_MW315S_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW318D	19 Nov 2019	0908_MW318D_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.22**	
MW318D	21 May 2020	0908_MW318D_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.37**	
MW318D	25 Nov 2020	0908_MW318_D_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.08**	
MW318D	20 May 2021	0908_MW318D_210520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.21**	
MW318D	15 Nov 2021	0908_MW318D_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02		*0.03*		**0.55**	
MW318D	31 May 2022	0908_MW318D_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02		*0.04*		**0.64**	
MW318D	31 May 2022	0908_QC219_220531	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	0.02		*0.04*		**0.59**	
MW318D	08 Nov 2022	0908_MW318D_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		**0.17**	
MW318D	11 May 2023	0908_MW318D_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		*0.04*		**0.32**	
MW318D	23 Nov 2023	0908_MW318D_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	0.01		*0.04*		**0.45**	
MW318D	22 Apr 2024	0908_MW318D_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	0.03	New Maximum	*0.1*	New Maximum	**0.83**	New Maximum
MW318S	19 Nov 2019	0908_MW318S_191119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW318S	19 Nov 2019	0908_QC109_191119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW318S	19 Nov 2019	0908_QC209_191119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.02		<0.01	
MW318S	21 May 2020	0908_MW318S_200521	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW318S	25 Nov 2020	0908_MW318_S_201125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW318S	20 May 2021	0908_MW318S_210520	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW318S	15 Nov 2021	0908_MW318S_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW318S	31 May 2022	0908_MW318S_220531	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW318S	08 Nov 2022	0908_MW318S_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW318S	11 May 2023	0908_MW318S_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW318S	23 Nov 2023	0908_MW318S_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW318S	22 Apr 2024	0908_MW318S_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone C	<0.01		<0.01		0.02	
MW829	30 Mar 2017	PS9_BORE30_300317	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.18**	
MW829	06 Dec 2018	0908_PS9_30_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW829	06 Dec 2018	0908_QC111_181206	Field_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.01*		0.03	
MW829	06 Dec 2018	0908-QC206-181206	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.02		0.034	
MW829	24 May 2019	0908_PS9_BORE30_190524	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW829	06 Nov 2019	0908_PS9_BORE 30_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.02	
MW829	27 May 2020	0908_MW652_200527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW829	19 Nov 2020	0908_MW829_201119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.01*		0.01	
MW829	25 May 2021	0908_MW829_210525	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW829	15 Nov 2021	0908_MW829_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.05	
MW829	30 May 2022	0908_MW829_220530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.01	
MW829	08 Nov 2022	0908_MW829_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.01*		0.01	
MW829	11 May 2023	0908_MW829_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.01*		0.02	
MW829	23 Nov 2023	0908_MW829_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		<0.01		0.03	
MW829	22 Apr 2024	0908_MW829_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.04	
MW829	22 Apr 2024	0908_QC110_240422	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.04*		0.06	
MW829	22 Apr 2024	0908_QC210_240422	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.03*		0.06	
MW829	26 Sep 2024	0908_MW829_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.02*		0.04	
MW897D	12 Aug 2021	0908_MW897D_210812	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone B	0.02		*1.02*		**1.3**	
MW897D	12 Aug 2021	0908_QC100_210812	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone B	0.02		*0.92*		**1.19**	
MW897D	24 Apr 2024	0908_MW897D_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	New Minimum	*0.5*	New Minimum	**0.58**	New Minimum
MW897D	24 Apr 2024	0908_QC111_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.75*		**0.82**	
MW897D	24 Apr 2024	0908_QC211_240424	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.55*		**0.63**	
MW897S	12 Aug 2021	0908_MW897S_210812	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Risk Zone B	0.02		*0.15*		**0.23**	
MW897S	24 Apr 2024	0908_MW897S_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01	New Minimum	*0.22*	New Maximum	**0.26**	New Maximum
MW897S	24 Apr 2024	0908_QC113_240424	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.26*		**0.3**	
MW897S	24 Apr 2024	0908_QC213_240424	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Risk Zone B	<0.01		*0.2*		**0.23**	
POT046	21 Oct 2015	BWS46_211015	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.02		<0.02		<0.02	
POT046	17 Jan 2017	BWS46_170117	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.08*		**0.11**	
POT046	06 Jun 2019	0908_BWS046_190606	Normal	NSW_0908_PFAS	Secondary Management Zone	Risk Zone B	<0.01		*0.04*		0.06	
POT046	28 May 2020	0908_POT046_200528	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.11*		**0.15**	
POT046	13 May 2021	0908_POT046_210513	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.05*		**0.09**	
POT046	27 May 2022	0908_POT046_220527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Risk Zone B	<0.01		*0.13*		**0.19**	
POT046	16 May 2023	0908_POT046_230516	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Risk Zone B	<0.01		*0.06*		**0.08**	
MW118	12 Nov 2014	MW118_12112014	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	29 Jan 2016	MW118_29012016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	11 Jan 2017	MW118_GW_11012017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.02	
MW118	28 Mar 2018	MW118_GW_28032018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	19 Nov 2018	0908_MW118_181119	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	24 May 2019	0908_MW118_190524	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	05 Nov 2019	0908_MW118_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	05 Nov 2019	0908_QC101_191105	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	05 Nov 2019	0908_QC201_191105	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.02		<0.01	
MW118	19 May 2020	0908_MW118_200519	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	23 Nov 2020	0908_MW118_201123	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	13 May 2021	0908_MW118_210513	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	13 May 2021	0908_QC101_210513	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	13 May 2021	0908_QC201_210513	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.02		<0.01	
MW118	09 Nov 2021	0908_MW118_211109	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	17 May 2022	0908_MW118_220517	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	17 May 2022	0908_QC100_220517	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	07 Nov 2022	0908_MW118_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	28 Nov 2023	0908_MW118_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	28 Nov 2023	0908_QC114_231128	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	28 Nov 2023	0908_QC214_231128	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW118	16 Apr 2024	0908_MW118_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	<0.01		<0.01		<0.01	
MW128D	27 Jan 2016	MW128D_27012016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	11 Jan 2017	MW128D_GW_11012017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW128D	10 Apr 2018	MW128D_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	26 Nov 2018	0908_MW128D_181126	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW128D	27 May 2019	0908_MW128D_190527	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	01 Nov 2019	0908_MW128D_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	18 May 2020	0908_MW128D_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	25 Nov 2020	0908_MW128_D_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	20 May 2021	0908_MW128D_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	20 May 2021	0908_QC110_210520	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	20 May 2021	0908_QC210_210520	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.02		<0.01	
MW128D	11 Nov 2021	0908_MW128D_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	11 Nov 2021	0908_QC105_211111	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	16 May 2022	0908_MW128D_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW128D	07 Nov 2022	0908_MW128D_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	09 May 2023	0908_MW128D_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		*0.02*		0.02	
MW128D	28 Nov 2023	0908_MW128D_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	16 Apr 2024	0908_MW128D_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128D	25 Sep 2024	0908_MW128D_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	13 Nov 2014	MW128_13112014	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		*0.05*		0.07	
MW128S	27 Jan 2016	MW128_27012016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	11 Jan 2017	MW128S_GW_11012017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW128S	10 Apr 2018	MW128S_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW128S	27 May 2019	0908_MW128S_190527	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW128S	01 Nov 2019	0908_MW128S_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW128S	18 May 2020	0908_MW128S_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	25 Nov 2020	0908_MW128_S_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	20 May 2021	0908_MW128S_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.02*		0.02	
MW128S	11 Nov 2021	0908_MW128S_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	16 May 2022	0908_MW128S_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.01*		0.02	
MW128S	07 Nov 2022	0908_MW128S_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	09 May 2023	0908_MW128S_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	28 Nov 2023	0908_MW128S_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	16 Apr 2024	0908_MW128S_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW128S	25 Sep 2024	0908_MW128S_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	26 Feb 2016	MW139_26022016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW139	23 Jan 2017	MW139_GW_170123	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.02	
MW139	09 Apr 2018	MW139_GW_09042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	28 Nov 2018	0908_MW139_181128	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	28 Nov 2018	0908_QC106_181128	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	28 Nov 2018	0908_QC203_181128	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.02		<0.03	
MW139	04 Jun 2019	0908_MW139_190604	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	08 Nov 2019	0908_MW139_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	26 May 2020	0908_MW139_200526	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	12 May 2021	0908_MW139_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	31 May 2022	0908_MW139_220531	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	14 Nov 2022	0908_MW139_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	15 May 2023	0908_MW139_230515	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	27 Nov 2023	0908_MW139_231127	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	23 Apr 2024	0908_MW139_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW139	19 Sep 2024	0908_MW139_240919	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW159D	31 Jan 2017	MW159D_GW_31012017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	27 Apr 2018	MW159D_GW_27042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	21 Nov 2018	0908_MW159D_181121	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW159D	21 Nov 2018	0908_QC103_181121	Field_D	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	23 May 2019	0908_MW159D_190523	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	23 May 2019	0908_MW159D_190523	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	14 May 2020	0908_MW159D_200514	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	19 May 2021	0908_MW159D_210519	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	01 Jun 2022	0908_MW159D_220601	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	11 May 2023	0908_MW159D_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	31 Jul 2024	0908_MW159D_240731	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	31 Jul 2024	0908_QC100_240731	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159D	31 Jul 2024	0908_QC200_240731	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	09 Feb 2016	MW159_09022016	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		*0.03*		0.03	
MW159S	09 Feb 2016	QC131_WG_09022016	Field_D	NSW_0908_PFAS	Broader Management Zone	-	<0.01		*0.02*		0.02	
MW159S	31 Jan 2017	MW159_GW_31012017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	27 Apr 2018	MW159S_GW_27042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	21 Nov 2018	0908_MW159S_181121	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	23 May 2019	0908_MW159S_190523	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	14 May 2020	0908_MW159S_200514	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	19 May 2021	0908_MW159S_210519	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	01 Jun 2022	0908_MW159S_220601	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	11 May 2023	0908_MW159S_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW159S	31 Jul 2024	0908_MW159S_240731	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01		<0.01		0.02	
MW163	05 Feb 2016	MW163_05022016	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	07 Feb 2017	MW163_GW_070217	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	10 Apr 2018	MW163_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.05		<0.05		<0.05	
MW163	26 Nov 2018	0908_MW163_181126	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	27 May 2019	0908_MW163_190527	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone D	<0.05		<0.05		<0.05	
MW163	01 Nov 2019	0908_MW163_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.05		<0.05		<0.05	
MW163	18 May 2020	0908_MW163_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		*0.01*		0.01	
MW163	25 Nov 2020	0908_MW163_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	20 May 2021	0908_MW163_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	11 Nov 2021	0908_MW163_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	11 Nov 2021	0908_QC204_211111	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	19 May 2022	0908_MW163_220519	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	07 Nov 2022	0908_MW163_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	09 May 2023	0908_MW163_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	28 Nov 2023	0908_MW163_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW163	16 Apr 2024	0908_MW163_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW231D	02 Feb 2017	MW231D_GW_02022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW231D	18 Apr 2018	MW231D_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW231D	06 Jun 2019	0908_MW231D_190606	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW231D	27 May 2020	0908_MW231D_200527	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	12 Nov 2020	0908_MW231_D_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	12 Nov 2021	0908_MW231D_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	18 May 2022	0908_MW231D_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	14 Nov 2022	0908_MW231D_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	17 May 2023	0908_MW231D_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	28 Nov 2023	0908_MW231D_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	23 Apr 2024	0908_MW231D_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231D	20 Sep 2024	0908_MW231D_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231S	02 Feb 2017	MW231S_GW_02022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW231S	18 Apr 2018	MW231S_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW231S	06 Jun 2019	0908_MW231S_190606	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW231S	27 May 2020	0908_MW231S_200527	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		0.03	
MW231S	12 Nov 2020	0908_MW231_S_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.02*		0.02	
MW231S	12 Nov 2021	0908_MW231S_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.02*		0.04	
MW231S	18 May 2022	0908_MW231S_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.02*		0.02	
MW231S	14 Nov 2022	0908_MW231S_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231S	17 May 2023	0908_MW231S_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		*0.02*		0.04	
MW231S	28 Nov 2023	0908_MW231S_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW231S	23 Apr 2024	0908_MW231S_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		*0.01*		0.01	
MW231S	20 Sep 2024	0908_MW231S_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		*0.02*		0.02	
MW232D	10 Feb 2017	MW232D_GW_10022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	10 Feb 2017	QC727_GW_10022017	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	10 Apr 2018	MW232D_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW232D	06 Dec 2018	0908_MW232D_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW232D	29 May 2019	0908_MW232D_190529	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW232D	08 Nov 2019	0908_MW232D_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.05		<0.05		<0.05	
MW232D	18 May 2020	0908_MW232D_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	25 Nov 2020	0908_MW232_D_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	12 May 2021	0908_MW232D_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	11 Nov 2021	0908_MW232D_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	11 Nov 2021	0908_QC202_211111	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	18 May 2022	0908_MW232D_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	18 May 2022	0908_QC207_220518	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	08 Nov 2022	0908_MW232D_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.18*		**0.18**	
MW232D	11 May 2023	0908_MW232D_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	24 Nov 2023	0908_MW232D_231124	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	22 Apr 2024	0908_MW232D_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232D	20 Sep 2024	0908_MW232D_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	10 Feb 2017	MW232S_GW_10022017	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	10 Apr 2018	MW232S_GW_10042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	06 Dec 2018	0908_MW232S_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	29 May 2019	0908_MW232S_190529	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	08 Nov 2019	0908_MW232S_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	08 Nov 2019	0908_QC104_191108	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	08 Nov 2019	0908_QC204_191108	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.02		<0.01	
MW232S	18 May 2020	0908_MW232S_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	25 Nov 2020	0908_MW232_S_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	12 May 2021	0908_MW232S_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	11 Nov 2021	0908_MW232S_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	18 May 2022	0908_MW232S_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	18 May 2022	0908_QC107_220518	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	08 Nov 2022	0908_MW232S_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	11 May 2023	0908_MW232S_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	24 Nov 2023	0908_MW232S_231124	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	22 Apr 2024	0908_MW232S_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW232S	20 Sep 2024	0908_MW232S_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW252S	20 Feb 2017	MW252S_GW_200217	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.06		*3.69*		**4.76**	
MW252S	27 Apr 2018	MW252S_GW_27042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.03		*3.87*		**4.65**	
MW252S	30 May 2019	0908_MW252S_190530	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.02		*2.67*		**3.61**	
MW252S	30 May 2019	0908_QC104_160530	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.02		*2.7*		**3.67**	
MW252S	30 May 2019	0908_QC204_190530	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone B	0.019		*3.2*		**4.14**	
MW252S	19 May 2020	0908_MW252S_200519	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone B	0.01		*1.65*		**2.34**	
MW252S	11 May 2023	0908_MW252S_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone B	0.02		*0.93*		**1.32**	
MW252S	24 Apr 2024	0908_MW252S_240424	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	<0.01	New Minimum	*0.6*	New Minimum	**1.01**	New Minimum
MW252S	24 Apr 2024	0908_QC115_240424	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	0.01		*0.63*		**1.1**	
MW252S	24 Apr 2024	0908_QC215_240424	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone B	0.01		*0.59*		**1**	
MW270D	03 Mar 2017	MW270D_170303	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270D	07 Jun 2019	0908_MW270D_190607	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270D	25 May 2020	0908_MW270D_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270D	12 May 2021	0908_MW270D_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270D	17 May 2022	0908_MW270D_220517	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270D	16 May 2023	0908_MW270D_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270D	09 Aug 2023	0908_MW270D_230809	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270D	22 Apr 2024	0908_MW270D_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		*0.02*	New Maximum, First-time Detection, New Exceedance	0.02	New Maximum, First-time Detection
MW270D	20 Sep 2024	0908_MW270D_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270S	03 Mar 2017	MW270S_170303	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	

Table E1 - Historical Groundwater Analytical Results and Deviations

							PFAS Results and Deviations					
							PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
							µg/L		µg/L		µg/L	
LOR							0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water							**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water							**10**				**2**	
PFAS NEMP 2020 Freshwater 99%							*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**						
MW270S	07 Jun 2019	0908_MW270S_190607	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270S	25 May 2020	0908_MW270S_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.01		<0.01		<0.01	
MW270S	12 May 2021	0908_MW270S_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270S	17 May 2022	0908_MW270S_220517	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.01*		0.03	
MW270S	16 May 2023	0908_MW270S_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	0.02		*0.03*		0.07	
MW270S	09 Aug 2023	0908_MW270S_230809	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	0.02		<0.01		0.04	
MW270S	22 Apr 2024	0908_MW270S_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW270S	20 Sep 2024	0908_MW270S_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	0.04	New Maximum	*0.03*		**0.1**	New Maximum, New Exceedance
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.03		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		<0.01		<0.01	
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.08		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		*0.04*		0.04	
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.28		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		*0.13*		**0.13**	
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	**0.94**		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		*0.52*		**0.52**	
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	**8.3**		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		*4.62*		**4.62**	
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	***92.7***		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		*39.9*		**39.9**	
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	**2.68**		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		*1.24*		**1.24**	
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOA	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	***31.1***		-		-	
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOS	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	-		*13*		**13**	
MW280S	08 Mar 2017	MW280S_GW_080317	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	07 Aug 2018	0908_MW280_180807	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	07 Sep 2018	0908_MW28D_180907	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	05 Oct 2018	0908_MW280S_181005	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	23 Jan 2019	0908_MW280S_190123	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	29 Mar 2019	0908_MW280S_190329	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	19 Jun 2019	0908_MW280_190618	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002		<0.002		0.004	
MW280S	25 Sep 2019	0908_MW280S_190925	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0009		*0.0012*		0.0048	
MW280S	02 Dec 2019	0908_MW280S_191202	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.0008		*0.0017*		0.0052	
MW280S	02 Dec 2019	0908_QC103_191202	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.0009		*0.002*		0.0056	
MW280S	02 Dec 2019	0908_QC203_191202	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.001		*0.0024*		0.0059	
MW280S	17 Apr 2020	0908_MW280S_200417	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0009		<0.0003		0.0035	
MW280S	23 Jun 2020	0908_MW280S_200623	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002		<0.002		0.004	
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002		<0.002		0.003	
MW280S	11 Jan 2021	0908_MW280_S_210111	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0022		*0.0372*		0.0475	
MW280S	22 Jan 2021	0908_MW280S_210122	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0007		*0.0012*		0.0051	
MW280S	24 Jun 2021	0908_MW280S_210624	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	20 Sep 2021	0908_MW280S_210920	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002		<0.002		0.004	
MW280S	13 Jan 2022	0908_MW280S_220113	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.0012		<0.0003		0.0051	
MW280S	16 Mar 2022	0908_MW280S_220316	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002		<0.002		0.004	
MW280S	20 May 2022	0908_MW280S_220520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	30 Jun 2022	0908_MW280S_220630	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	0.002		*0.002*		0.011	
MW280S	16 Sep 2022	0908_MW280S_220916	Normal	NSW_0908_PFASMGMT	Broader Management Zone	Risk Zone C	<0.002		<0.002		0.006	
MW280S	11 Nov 2022	0908_MW280S_221111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	18 May 2023	0908_MW280S_230518	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		0.01	
MW280S	23 Nov 2023	0908_MW280S_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	23 Apr 2024	0908_MW280S_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW280S	23 Sep 2024	0908_MW280S_240923	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW316D	01 Nov 2019	0908_MW316D_191101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.05		<0.05		<0.05	
MW316D	18 May 2020	0908_MW316D_200518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	25 Nov 2020	0908_MW316_D_201125	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	20 May 2021	0908_MW316D_210520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	11 Nov 2021	0908_MW316D_211111	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	20 May 2022	0908_MW316D_220520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	07 Nov 2022	0908_MW316D_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	09 May 2023	0908_MW316D_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	21 Nov 2023	0908_MW316D_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW316D	16 Apr 2024	0908_MW316D_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone D	<0.01		<0.01		<0.01	
MW842	24 Mar 2017	SK3496_D_24032017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW842	22 May 2019	0908_SK3496_D_190522	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW842	25 May 2021	0908_MW842_210525	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW842	02 Jun 2022	0908_MW842_220602	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		*0.02*		0.02	
MW842	18 May 2023	0908_MW842_230518	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW842	23 Apr 2024	0908_MW842_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW844	24 Mar 2017	SK3496_S_24032017	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW844	22 May 2019	0908_SK3496_S_190522	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW844	25 May 2021	0908_MW844_210525	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW844	02 Jun 2022	0908_MW844_220602	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW844	18 May 2023	0908_MW844_230518	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01		<0.01		<0.01	
MW844	31 Jul 2024	0908_MW844_240731	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01		<0.01		<0.01	
POT085	27 Oct 2015	BWS85_271015	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.02		<0.02		<0.02	
POT085	06 Dec 2016	BWS085_061216	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.02		*0.03*		0.03	
POT085	18 Jun 2019	0908_BWS085_190618	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT085	28 May 2020	0908_POT085_200528	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT085	19 Nov 2021	0908_POT085_211119	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT085	16 May 2022	0908_POT085_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT085	15 May 2023	0908_POT085_230515	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT107	29 Oct 2015	BWS107_291015	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.02		*0.02*		0.02	
POT107	29 Nov 2016	BWS107_291116	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		*0.05*		**0.31**	
POT107	09 Apr 2018	BWS107_GW_09042018	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	0.01		*0.04*		**0.11**	
POT107	04 Jun 2019	0908_BWS107_190604	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		*0.04*		0.07	
POT107	07 Nov 2019	0908_POT107_191107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.02*		**0.08**	
POT107	26 May 2020	0908_POT107_200526	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.03*		0.07	
POT107	12 May 2021	0908_POT107_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.05		*0.02*		0.05	
POT107	31 May 2022	0908_POT107_220531	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.04		*0.04*		**0.08**	
POT107	14 Nov 2022	0908_POT107_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	0.01		*0.02*		0.03	
POT107	15 May 2023	0908_POT107_230515	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	0.01		*0.03*		0.05	
POT107	23 Apr 2024	0908_POT107_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	0.01		*0.02*		0.03	
POT144	06 Nov 2015	BWS144_061115	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.02		<0.02		<0.02	
POT144	30 Jan 2017	BWS144_300117	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		*0.05*		0.05	
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		*0.02*		0.02	
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	-	-		-		0.04	
POT144	04 Jun 2019	0908_BWS144_190604	Normal	NSW_0908_PFAS	Broader Management Zone	-	<0.01		<0.01		<0.01	
POT144	27 May 2020	0908_POT144_200527	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
POT144	13 May 2021	0908_POT144_210513	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
POT144	16 May 2022	0908_POT144_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	-	<0.01		<0.01		<0.01	
POT144	17 May 2023	0908_POT144_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	-	<0.01		<0.01		<0.01	
POT144	09 May 2024	0908_POT144_240509	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	-	<0.01		<0.01		<0.01	
POT236	24 Aug 2016	BWS236_240816	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		*0.05*		**0.08**	
POT236	24 Aug 2016	QC99_240816	Field_D	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		*0.05*		0.07	
POT236	27 Feb 2017	BWS236_270217	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		*0.06*		**0.16**	
POT236	03 Jun 2019	0908_BWS236_190603	Normal	NSW_0908_PFAS	Broader Management Zone	Risk Zone C	<0.01		*0.03*		**0.09**	
POT236	28 May 2020	0908_POT236_200528	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.04*		**0.16**	
POT236	12 May 2021	0908_POT236_210512	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.06*		**0.08**	
POT236	18 May 2022	0908_POT236_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		*0.04*		**0.08**	

Table E1 - Historical Groundwater Analytical Results and Deviations

								PFAS Results and Deviations					
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L	
LOR								0.0005		0.0002		0.0002	
PFAS NEMP 2020 Drinking Water								**0.56**				**0.07**	
PFAS NEMP 2020 Recreational Water								**10**				**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*			
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Risk Zone**							
POT236	16 May 2023	0908_POT236_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		*0.03*		0.04	
POT382	12 Nov 2021	0908_POT382_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT382	18 May 2022	0908_POT382_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT382	14 Nov 2022	0908_POT382_221114	Normal	NSW_0908_PFASOMP	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT382	17 May 2023	0908_POT382_230517	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT382	28 Nov 2023	0908_POT382_231128	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT382	23 Apr 2024	0908_POT382_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
POT382	20 Sep 2024	0908_POT382_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Risk Zone C	<0.01		<0.01		<0.01	
MW264D	08 Feb 2017	MW264D_GW_08022017	Normal	NSW_0908_PFAS	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	31 May 2019	0908_MW264D_190531	Normal	NSW_0908_PFAS	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	29 May 2020	0908_MW264D_200529	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	20 May 2021	0908_MW264D_210520	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	02 Jun 2022	0908_MW264D_220602	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	02 Jun 2022	0908_QC221_220602	Interlab_D	NSW_0908_PFASOMP	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	12 May 2023	0908_MW264D_230512	Normal	NSW_0908_PFASOMP_23	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	23 Apr 2024	0908_MW264D_240423	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	27 Sep 2024	0908_MW264D_240927	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	27 Sep 2024	0908_QC112_240927	Field_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW264D	27 Sep 2024	0908_QC212_240927	Interlab_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW264S	08 Feb 2017	MW264S_GW_08022017	Normal	NSW_0908_PFAS	Other: Background	-	<0.01		<0.01		<0.01	
MW264S	24 Jun 2021	0908_MW264S_210624	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01		<0.01		<0.01	
MW264S	02 Jun 2022	0908_MW264S_220602	Normal	NSW_0908_PFASOMP	Other: Background	-	<0.01		*0.02*		0.02	
MW264S	02 Jun 2022	0908_QC121_220602	Field_D	NSW_0908_PFASOMP	Other: Background	-	<0.01		<0.01		0.02	
MW264S	12 May 2023	0908_MW264S_230512	Normal	NSW_0908_PFASOMP_23	Other: Background	-	<0.01		<0.01		0.02	
MW264S	23 Apr 2024	0908_MW264S_240423	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW264S	27 Sep 2024	0908_MW264S_240927	Normal	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW264S	27 Sep 2024	0908_QC111_240927	Field_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW264S	27 Sep 2024	0908_QC211_240927	Interlab_D	NSW_0908_PFASOMP_24	Other: Background	-	<0.01		<0.01		<0.01	
MW241D	08 Feb 2017	MW241D_GW_08022017	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	27 Apr 2018	MW241D_GW_27042018	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	27 Nov 2018	0908_MW241D_181127	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	24 May 2019	0908_MW241D_190524	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	24 May 2019	0908_QC102_190524	Field_D	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	24 May 2019	0908_QC202_190524	Interlab_D	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.02		<0.03	
MW241D	19 Nov 2019	0908_MW241D_191119	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	20 May 2020	0908_MW241D_200520	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	20 May 2020	0908_QC109_200520	Field_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	20 May 2020	0908_QC209_200520	Interlab_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.02		<0.01	
MW241D	26 Nov 2020	0908_MW241_D_201126	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	20 May 2021	0908_MW241D_210520	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	20 May 2021	0908_QC105_210520	Field_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	20 May 2021	0908_QC205_210520	Interlab_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.02		<0.01	
MW241D	15 Nov 2021	0908_MW241D_211115	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	24 May 2022	0908_MW241D_220524	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	10 Nov 2022	0908_MW241D_221110	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	12 May 2023	0908_MW241D_230512	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	23 Nov 2023	0908_MW241D_231123	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	31 Jul 2024	0908_MW241D_240731	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	23 Sep 2024	0908_MW241D_240923	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	23 Sep 2024	0908_QC106_240923	Field_D	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01		<0.01		<0.01	
MW241D	23 Sep 2024	0908_QC206_240923	Interlab_D	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	08 Feb 2017	MW241S_GW_08022017	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	27 Apr 2018	MW241S_GW_27042018	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	27 Nov 2018	0908_MW241S_181127	Normal	NSW_0908_PFAS	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	26 Nov 2020	0908_MW241_S_201126	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	20 May 2021	0908_MW241S_210520	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		*0.02*		0.02	
MW241S	15 Nov 2021	0908_MW241S_211115	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	24 May 2022	0908_MW241S_220524	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	10 Nov 2022	0908_MW241S_221110	Normal	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	10 Nov 2022	0908_QC115_221110	Field_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	10 Nov 2022	0908_QC215_221110	Interlab_D	NSW_0908_PFASOMP	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	12 May 2023	0908_MW241S_230512	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	23 Nov 2023	0908_MW241S_231123	Normal	NSW_0908_PFASOMP_23	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	31 Jul 2024	0908_MW241S_240731	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01		<0.01		<0.01	
MW241S	23 Sep 2024	0908_MW241S_240923	Normal	NSW_0908_PFASOMP_24	Other: West of base	-	<0.01		<0.01		<0.01	

Notes

LOR Limit of Reporting
Normal Primary sample
Field_D Intra-laboratory duplicate sample
Interlab_D Inter-laboratory duplicate sample

PFAS OMP data in 2024 monitoring period

Any historical data identified as anomalous in the databse is not displayed in this table.

Table E2 - Historical Surface Water Analytical Results and Deviations

									PFAS Results and Deviations							
									PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
									µg/L		µg/L		µg/L		µg/L	
LOR									0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water									**10**						**2**	
PFAS NEMP 2020 Freshwater 99%									*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**										
SW047	17 Nov 2014	BD03_SW01_171114	Normal	NSW_0908_PFAS	On-base	-	0.25		*17*		2.2				**19.2**	
SW047	17 Nov 2014	QC101_SW_171114	Interlab_D	NSW_0908_PFAS	On-base	-	0.29		*16*		2.1				**18.1**	
SW047	14 Jan 2016	BD03_SW_1412016	Normal	NSW_0908_PFAS	On-base	-	0.9		*31.6*		5.16				**36.76**	
SW047	14 Sep 2016	BD03_140916	Normal	NSW_0908_PFAS	On-base	-	0.15		*17*		1.3				**18.3**	
SW047	16 Dec 2016	BD03_SW_161216	Normal	NSW_0908_PFAS	On-base	-	0.03		*2.27*		0.26				**2.53**	
SW047	03 Feb 2017	BD03_SW_030217	Normal	NSW_0908_PFAS	On-base	-	0.05		*2.8*		0.52				**3.32**	
SW047	10 Feb 2017	BD03_SW_100217	Normal	NSW_0908_PFAS	On-base	-	<0.05		*2.16*		0.91				**3.07**	
SW047	17 Feb 2017	BD03_SW_17022017	Normal	NSW_0908_PFAS	On-base	-	0.04		*1.68*		0.64				**2.32**	
SW047	24 Feb 2017	BD03_SW_240217	Normal	NSW_0908_PFAS	On-base	-	0.05		*2.16*		0.65				**2.81**	
SW047	24 Feb 2017	QC409_SW_240217	Field_D	NSW_0908_PFAS	On-base	-	0.06		*2.65*		0.77				**3.42**	
SW047	24 Feb 2017	QC508_SW_24022017	Interlab_D	NSW_0908_PFAS	On-base	-	<0.02		*1.2*		0.28				1.48	
SW047	03 Mar 2017	BD03_SW_030317	Normal	NSW_0908_PFAS	On-base	-	0.03		*1.65*		0.28				1.93	
SW047	10 Mar 2017	BD03_SW_100317	Normal	NSW_0908_PFAS	On-base	-	0.06		*1.78*		0.79				**2.57**	
SW047	17 Mar 2017	BD03_SW_20170317	Normal	NSW_0908_PFAS	On-base	-	0.06		*3.45*		1.12				**4.57**	
SW047	22 Mar 2017	BD03_SW_220317	Normal	NSW_0908_PFAS	On-base	-	0.06		*1.73*		0.98				**2.71**	
SW047	31 Mar 2017	BD03_SW_310317	Normal	NSW_0908_PFAS	On-base	-	0.09		*4.62*		1				**5.62**	
SW047	07 Apr 2017	BD03_SW_070417	Normal	NSW_0908_PFAS	On-base	-	0.12		*3.59*		1.74				**5.33**	
SW047	05 May 2017	BD03_SW_050517	Normal	NSW_0908_PFAS	On-base	-	0.08		*3.28*		1.53				**4.81**	
SW047	05 May 2017	QC417_050517	Field_D	NSW_0908_PFAS	On-base	-	0.07		*2.62*		1.43				**4.05**	
SW047	05 May 2017	QC_516_050517	Field_D	NSW_0908_PFAS	On-base	-	0.061		*1.6*		0.93				**2.53**	
SW047	02 Jun 2017	BD03_SW_020617	Normal	NSW_0908_PFAS	On-base	-	0.04		*1.77*		1.01				**2.78**	
SW047	21 Jul 2017	BD03_SW_210717	Normal	NSW_0908_PFAS	On-base	-	0.05		*2.06*		0.92				**2.98**	
SW047	12 Apr 2018	BD03_SW_13042018	Normal	NSW_0908_PFAS	On-base	-	0.08		*4.95*		0.88				**5.83**	
SW047	07 Dec 2018	0908_BD03_SW_181207	Normal	NSW_0908_PFAS	On-base	-	0.12		*6.69*		1.42				**8.11**	
SW047	09 Apr 2019	0908_BD03_190409	Normal	NSW_0908_PFAS	On-base	-	0.12		*9.16*		1.63				**10.79**	
SW047	09 Apr 2019	0908_QC100_190409	Field_D	NSW_0908_PFAS	On-base	-	0.12		*9.91*		1.71				**11.62**	
SW047	14 Jun 2019	0908_BD03_SW_190614	Normal	NSW_0908_PFAS	On-base	-	0.09		*3.78*		0.73				**4.51**	
SW047	06 Nov 2019	0908_BD03_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*5.12*		0.99				**6.11**	
SW047	06 Nov 2019	0908_BD04_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*0.15*		0.83				0.98	
SW047	22 May 2020	0908_SW047_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*3.79*		0.68				**4.47**	
SW047	27 Nov 2020	0908_SW047_201127	Normal	NSW_0908_PFASOMP	On-base	-	0.15		*20.6*		1.83				**22.4**	
SW047	11 May 2021	0908_SW047_210511	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*3.23*		1.46				**4.69**	
SW047	16 Nov 2021	0908_SW047_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.14		*9.14*		1.54				**10.7**	
SW047	19 May 2022	0908_SW047_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.11		*5.34*		0.87				**6.21**	
SW047	10 Nov 2022	0908_SW047_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*3.93*		0.74				**4.67**	
SW047	10 May 2023	0908_SW047_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.10		*8.42*		0.94				**9.36**	
SW047	10 May 2023	0908_QC108_230510	Field_D	NSW_0908_PFASOMP_23	On-base	-	0.12		*10.8*		1.19				**12**	
SW047	10 May 2023	0908_QC208_230510	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	0.1		*8.5*		1.2				**9.7**	
SW047	22 Nov 2023	0908_SW047_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.06		*3.43*		0.69				**4.12**	
SW047	18 Apr 2024	0908_SW047_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.07		*4.54*		1.08				**5.62**	
SW047	24 Sep 2024	0908_SW047_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.08		*4.28*		0.88				**5.16**	
SW048	17 Nov 2014	BD04_SW01_171114	Normal	NSW_0908_PFAS	On-base	-	0.07		*0.05*		0.36				0.41	
SW048	20 Nov 2015	BD04_SW_20112015	Normal	NSW_0908_PFAS	On-base	-	0.039		*0.14*		-				0.14	
SW048	20 Jan 2016	BD04_SW_20012016	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.7*		-				0.7	
SW048	16 Dec 2016	BD04_SW_161216	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.11*		0.41				0.52	
SW048	12 Apr 2018	BD04_SW_13042018	Normal	NSW_0908_PFAS	On-base	-	0.03		*0.15*		0.68				0.83	
SW048	07 Dec 2018	0908_BD04_SW_181207	Normal	NSW_0908_PFAS	On-base	-	0.04		*0.13*		0.71				0.84	
SW048	14 Jun 2019	0908_BD04_SW_190614	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.04*		0.3				0.34	
SW048	22 May 2020	0908_SW048_200522	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*0.24*		0.76				1	
SW048	27 Nov 2020	0908_SW048_201127	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*0.29*		1.17				1.46	
SW048	11 May 2021	0908_SW048_210511	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*0.22*		1.02				1.24	
SW048	16 Nov 2021	0908_SW048_211116	Normal	NSW_0908_PFASOMP	On-base	-	0.06		*0.38*		1.01				1.39	
SW048	19 May 2022	0908_SW048_220519	Normal	NSW_0908_PFASOMP	On-base	-	0.08		*0.44*		1.22				1.66	
SW048	10 Nov 2022	0908_SW048_221110	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*0.22*		0.78				1	
SW048	10 May 2023	0908_SW048_230510	Normal	NSW_0908_PFASOMP_23	On-base	-	0.07		*0.52*		0.94				1.46	
SW048	22 Nov 2023	0908_SW048_231122	Normal	NSW_0908_PFASOMP_23	On-base	-	0.01		*0.17*		0.18				0.35	
SW048	22 Nov 2023	0908_QC108_231122	Field_D	NSW_0908_PFASOMP_23	On-base	-	0.06		*0.6*		0.81				1.41	
SW048	22 Nov 2023	0908_QC208_231122	Interlab_D	NSW_0908_PFASOMP_23	On-base	-	0.05		*0.62*		0.87				1.5	
SW048	18 Apr 2024	0908_SW048_240418	Normal	NSW_0908_PFASOMP_24	On-base	-	0.05		*0.56*		0.57				1.13	
SW048	24 Sep 2024	0908_SW048_240924	Normal	NSW_0908_PFASOMP_24	On-base	-	0.08		*0.88*	New Maximum	0.9				1.78	New Maximum
SW055	23 Jun 2014	DD1-WATER	Normal	NSW_0908_PFAS	On-base	-	0.09		*0.13*		0.48				0.61	
SW055	25 Jun 2014	QC7_WATER	Field_D	NSW_0908_PFAS	On-base	-	0.1		*0.59*		0.7				1.29	
SW055	26 Jun 2014	QC6_SEDIMENT_PW	Interlab_D	NSW_0908_PFAS	On-base	-	<0.02		<0.02		0.25				0.27	
SW055	26 Jun 2014	QC8_WATER	Interlab_D	NSW_0908_PFAS	On-base	-	0.16		*8.63*		-				**8.63**	
SW055	14 Jan 2016	DD1_SW_1412016	Normal	NSW_0908_PFAS	On-base	-	0.247		*5.17*		-				**5.17**	
SW055	15 Jan 2016	DD1_SW_15012016	Normal	NSW_0908_PFAS	On-base	-	0.093		*3.57*		-				**3.57**	
SW055	16 Dec 2016	DD1_SW_161216	Normal	NSW_0908_PFAS	On-base	-	0.13		*2.66*		1.97				**4.63**	
SW055	03 Mar 2017	DD1_SW_030317	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.1*		0.08				0.18	
SW055	09 Mar 2017	DD1_AS_090317_1330	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		0.16				0.24	
SW055	09 Mar 2017	DD1_AS_090317_1445	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		0.18				0.26	
SW055	09 Mar 2017	DD1_AS_090317_1500	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.14				0.21	
SW055	09 Mar 2017	DD1_AS_090317_1515	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.09*		0.16				0.25	
SW055	09 Mar 2017	DD1_AS_090317_1545	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.13				0.2	
SW055	09 Mar 2017	DD1_AS_090317_1600	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.13				0.2	
SW055	09 Mar 2017	DD1_AS_090317_1615	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.12				0.19	
SW055	09 Mar 2017	DD1_AS_090317_1630	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.06*		0.1				0.16	
SW055	09 Mar 2017	DD1_AS_090317_1645	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.12				0.19	
SW055	09 Mar 2017	DD1_AS_090317_1700	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.13				0.2	
SW055	10 Mar 2017	DD1_AS_100317_1000	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.11				0.18	
SW055	10 Mar 2017	DD1_AS_100317_1015	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.11*		0.21				0.32	
SW055	10 Mar 2017	DD1_AS_100317_1030	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.11*		0.21				0.32	
SW055	10 Mar 2017	DD1_AS_100317_1045	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.09*		0.18				0.27	
SW055	10 Mar 2017	DD1_AS_100317_1100	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.09*		0.16				0.25	
SW055	10 Mar 2017	DD1_AS_100317_1115	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.08*		0.15				0.23	
SW055	10 Mar 2017	DD1_AS_100317_1130	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.13				0.2	
SW055	10 Mar 2017	DD1_AS_100317_1715	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.12				0.19	
SW055	10 Mar 2017	DD1_AS_100317_1730	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.07*		0.11				0.18	
SW055	10 Mar 2017	DD1_SW_100317	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.06*		0.06				0.12	
SW055	17 Mar 2017	DD1_SW_20170317	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.14*		0.55				0.69	
SW055	20 Mar 2017	DD1_AS_200317_1545	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.64*		0.38				1.02	
SW055	20 Mar 2017	DD1_AS_200317_1600	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.64*		0.36				1	
SW055	20 Mar 2017	DD1_AS_200317_1615	Normal	NSW_0908_PFAS	On-base	-	0.03		*1.01*		0.84				1.85	
SW055	21 Mar 2017	DD1_AS_210317_815	Normal	NSW_0908_PFAS	On-base	-	0.03		*0.91*		0.67				1.58	
SW055	21 Mar 2017	DD1_AS_210317_830	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.7*		0.5				1.2	
SW055	21 Mar 2017	DD1_AS_210317_845	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.65*		0.38				1.03	
SW055	21 Mar 2017	DD1_AS_210317_900	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.56*		0.3				0.86	
SW055	21 Mar 2017	DD1_AS_210317_915	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.53*		0.26				0.79	
SW055	21 Mar 2017	DD1_AS_210317_930	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.53*		0.25				0.78	
SW055	21 Mar 2017	DD1_AS_210317_945	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.44*		0.22				0.66	
SW055	21 Mar 2017	DD1_AS_210317_1015	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.49*		0.27				0.76	
SW055	21 Mar 2017	DD1_AS_210317_1115	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.5*		0.28				0.78	
SW055	21 Mar 2017	DD1_AS_210317_1130	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.42*		0.22				0.64	
SW055	21 Mar 2017	DD1_AS_210317_1145	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.3*		0.14				0.44	
SW055	21 Mar 2017	DD1_AS_210317_1215	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.22*		0.07				0.29	
SW055	21 Mar 2017	DD1_AS_210317_1230	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.24*		0.07				0.31	
SW055	21 Mar 2017	DD1_AS_210347_1200	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.25*		0.1				0.35	
SW055	22 Mar 2017	DD1_SW_220317	Normal	NSW_0908_PFAS	On-base	-	0.02		*0.75*		0.61				1.36	
SW055	31 Mar 2017	DD1_SW_310317	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.42*		0.31				0.73	
SW055	07 Apr 2017	DD1_SW_070417	Normal	NSW_0908_PFAS	On-base	-	0.03		*0.38*		0.55				0.93	
SW055	05 May 2017	DD1_SW_050517	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.51*		0.26				0.77	
SW055	02 Jun 2017	DD1_SW_020617	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.13*		0.08				0.21	
SW055	21 Jul 2017	DD1_SW_210717	Normal	NSW_0908_PFAS	On-base	-	0.04		*1.72*		0.79				**2.51**	
SW055	12 Apr 2018	DD1_SW_13042018	Normal	NSW_0908_PFAS	On-base	-	<0.01		*0.35*		0.14				0.49	
SW055	07 Dec 2018	0908_DD1_SW_181207	Normal	NSW_0908_PFAS	On-base	-	0.04		*0.83*		0.76				1.59	
SW055	09 Apr 2019	0908_DD1_190409	Normal	NSW_0908_PFAS	On-base	-	0.04		*0.4*		0.85				1.25	
SW055	13 Jun 2019	0908_DD1_SW_190613	Normal	NSW_0908_PFAS	On-base	-	0.01		*0.17*		0.36				0.53	
SW055	05 Nov 2019	0908_DD1_SW_191105	Normal	NSW_0908_PFASOMP	On-base	-	0.04		*0.08*		0.84				0.92	
SW055	22 May 2020	0908_SW055_200522	Normal	NSW_0908_PFASOMP	On-base	-	<0.01		*0.15*		0.18				0.33	
SW055	23 Nov 2020	0908_SW055_201123	Normal	NSW_0908_PFASOMP	On-base	-	0.05		*0.59*		0.88				1.47	
SW055	05 May 2021	0908_SW055_210505	Normal	NSW_0908_PFASOMP	On-base	-	0.10		*2.92*		1.38				**4.3**	

Table E2 - Historical Surface Water Analytical Results and Deviations

								PFAS Results and Deviations							
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L		µg/L	
LOR								0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water								**10**						**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**									
SW055	11 May 2021	0908_SW055_210511	Normal	NSW_0908_PFASOMP	On-base	-		0.08		*3.31*		1.12		**4.43**	
SW055	25 Jun 2021	0908_SW055_210625	Normal	NSW_0908_PFASOMP	On-base	-		0.08		*3.54*		1.07		**4.61**	
SW055	25 Jun 2021	0908_QC100_210625	Field_D	NSW_0908_PFASOMP	On-base	-		0.07		*2.93*		1		**3.93**	
SW055	25 Jun 2021	0908_QC200_210625	Interlab_D	NSW_0908_PFASOMP	On-base	-		0.056		*2.3*		0.87		**3.17**	
SW055	30 Jul 2021	0908_SW055_210730	Normal	NSW_0908_PFASOMP	On-base	-		0.06		*0.86*		1.02		1.88	
SW055	30 Jul 2021	0908_QC100_210730	Field_D	NSW_0908_PFASOMP	On-base	-		0.06		*0.82*		1.04		1.86	
SW055	30 Jul 2021	0908_QC200_210730	Interlab_D	NSW_0908_PFASOMP	On-base	-		0.046		*0.69*		0.98		1.67	
SW055	20 Aug 2021	0908_SW055_210820	Normal	NSW_0908_PFASOMP	On-base	-		0.06		*0.62*		0.97		1.59	
SW055	27 Sep 2021	0908_SW055_210927	Normal	NSW_0908_PFASOMP	On-base	-		0.05		*1.45*		0.89		**2.34**	
SW055	25 Oct 2021	0908_SW055_211025	Normal	NSW_0908_PFASOMP	On-base	-		0.05		*0.63*		0.8		1.43	
SW055	16 Nov 2021	0908_SW055_211116	Normal	NSW_0908_PFASOMP	On-base	-		0.06		*2.02*		0.89		**2.91**	
SW055	19 May 2022	0908_SW055_220519	Normal	NSW_0908_PFASOMP	On-base	-		0.08		*3.81*		1.01		**4.82**	
SW055	19 May 2022	0908_QC111_220519	Field_D	NSW_0908_PFASOMP	On-base	-		0.08		*3.98*		0.96		**4.94**	
SW055	12 Aug 2022	0908_SW055_220812	Normal	NSW_0908_PFASMGMT	On-base	-		0.09		*4.46*		0.97		**5.43**	
SW055	10 Nov 2022	0908_SW055_221110	Normal	NSW_0908_PFASOMP	On-base	-		0.08		*3.48*		0.8		**4.28**	
SW055	10 May 2023	0908_SW055_230510	Normal	NSW_0908_PFASOMP_23	On-base	-		0.05		*0.9*		0.88		1.78	
SW055	22 Nov 2023	0908_SW055_231122	Normal	NSW_0908_PFASOMP_23	On-base	-		0.05		*0.55*		0.71		1.26	
SW055	17 Apr 2024	0908_SW055_240417	Normal	NSW_0908_PFASOMP_24	On-base	-		0.04		*0.56*		0.65		1.21	
SW055	24 Sep 2024	0908_SW055_240924	Normal	NSW_0908_PFASOMP_24	On-base	-		0.07		*0.76*		1.18		1.94	
SW108	23 Jun 2014	LC1_WATER	Normal	NSW_0908_PFAS	On-base	-		0.13		*0.25*		0.67		0.92	
SW108	20 Nov 2015	LC_SW_20112015	Normal	NSW_0908_PFAS	On-base	-		0.236		*13.4*		-		**13.4**	
SW108	14 Jan 2016	LC_SW_1412016	Normal	NSW_0908_PFAS	On-base	-		0.191		*10.6*		-		**10.6**	
SW108	14 Sep 2016	LC_140916	Normal	NSW_0908_PFAS	On-base	-		0.12		*11*		1.2		**12.2**	
SW108	16 Dec 2016	LC_SW_161216	Normal	NSW_0908_PFAS	On-base	-		0.1		*8.76*		1.48		**10.2**	
SW108	16 Dec 2016	LC_SW_161216	Normal	NSW_0908_PFAS	On-base	-		-		-		-		**10.24**	
SW108	03 Feb 2017	LC_SW_030217	Normal	NSW_0908_PFAS	On-base	-		0.1		*7.97*		0.77		**8.74**	
SW108	03 Feb 2017	QC405_SW_030217	Field_D	NSW_0908_PFAS	On-base	-		0.11		*9.13*		1.14		**10.27**	
SW108	03 Feb 2017	QC405_SW_030217	Field_D	NSW_0908_PFAS	On-base	-		-		-		-		**10.3**	
SW108	10 Feb 2017	LC_SW_100217	Normal	NSW_0908_PFAS	On-base	-		0.12		*4.85*		1.43		**6.28**	
SW108	10 Feb 2017	QC406_SW_100217	Field_D	NSW_0908_PFAS	On-base	-		0.1		*4.55*		1.38		**5.93**	
SW108	10 Feb 2017	QC505_SW_100217	Interlab_D	NSW_0908_PFAS	On-base	-		-		-		-		**3.91**	
SW108	17 Feb 2017	LC_SW_17022017	Normal	NSW_0908_PFAS	On-base	-		0.11		*6.28*		1.4		**7.68**	
SW108	24 Feb 2017	LC_SW_240217	Normal	NSW_0908_PFAS	On-base	-		0.09		*3.23*		1.2		**4.43**	
SW108	03 Mar 2017	LC_SW_030317	Normal	NSW_0908_PFAS	On-base	-		0.07		*2.8*		0.9		**3.7**	
SW108	10 Mar 2017	LC_SW_100317	Normal	NSW_0908_PFAS	On-base	-		0.08		*4.01*		0.89		**4.9**	
SW108	17 Mar 2017	LC_SW_20170317	Normal	NSW_0908_PFAS	On-base	-		0.06		*3.67*		1.08		**4.75**	
SW108	23 Mar 2017	LC_SW_220317	Normal	NSW_0908_PFAS	On-base	-		0.06		*2.38*		0.86		**3.24**	
SW108	31 Mar 2017	LC_SW_310317	Normal	NSW_0908_PFAS	On-base	-		0.06		*3.28*		0.89		**4.17**	
SW108	07 Apr 2017	LC_SW_070417	Normal	NSW_0908_PFAS	On-base	-		0.08		*3.14*		1.17		**4.31**	
SW108	07 Apr 2017	QC416_SW_070417	Field_D	NSW_0908_PFAS	On-base	-		0.08		*3.42*		1.21		**4.63**	
SW108	07 Apr 2017	QC516_SW_070417	Interlab_D	NSW_0908_PFAS	On-base	-		0.054		*2.6*		0.77		**3.37**	
SW108	05 May 2017	LC_SW_050517	Normal	NSW_0908_PFAS	On-base	-		0.08		*4.64*		1.54		**6.18**	
SW108	02 Jun 2017	LC_SW_020617	Normal	NSW_0908_PFAS	On-base	-		0.07		*3.47*		1.06		**4.53**	
SW108	21 Jul 2017	LC_SW_210717	Normal	NSW_0908_PFAS	On-base	-		0.07		*5.29*		0.99		**6.28**	
SW108	12 Apr 2018	LC_SW_13042018	Normal	NSW_0908_PFAS	On-base	-		0.09		*4.8*		0.92		**5.72**	
SW108	07 Dec 2018	0908_LC_SW_181207	Normal	NSW_0908_PFAS	On-base	-		0.1		*4.85*		0.92		**5.77**	
SW108	14 Jun 2019	0908_LC_SW_190614	Normal	NSW_0908_PFAS	On-base	-		0.07		*4.11*		0.8		**4.91**	
SW108	06 Nov 2019	0908_LC_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-		0.10		*4.48*		1.28		**5.76**	
SW108	22 May 2020	0908_SW108_200522	Normal	NSW_0908_PFASOMP	On-base	-		0.08		*5.8*		0.92		**6.72**	
SW108	27 Nov 2020	0908_SW108_201127	Normal	NSW_0908_PFASOMP	On-base	-		0.16		*8.73*		1.98		**10.7**	
SW108	11 May 2021	0908_SW108_210511	Normal	NSW_0908_PFASOMP	On-base	-		0.10		*6.34*		1.14		**7.48**	
SW108	16 Nov 2021	0908_SW108_211116	Normal	NSW_0908_PFASOMP	On-base	-		0.09		*4.73*		1.03		**5.76**	
SW108	19 May 2022	0908_SW108_220519	Normal	NSW_0908_PFASOMP	On-base	-		0.09		*7.71*		0.89		**8.6**	
SW108	19 May 2022	0908_QC110_220519	Field_D	NSW_0908_PFASOMP	On-base	-		0.08		*6.98*		0.79		**7.77**	
SW108	10 Nov 2022	0908_SW108_221110	Normal	NSW_0908_PFASOMP	On-base	-		0.10		*4.48*		1		**5.48**	
SW108	10 Nov 2022	0908_QC114_221110	Field_D	NSW_0908_PFASOMP	On-base	-		0.08		*4*		1.13		**5.13**	
SW108	10 Nov 2022	0908_QC214_221110	Interlab_D	NSW_0908_PFASOMP	On-base	-		0.08		*4.2*		0.98		**5.2**	
SW108	10 May 2023	0908_SW108_230510	Normal	NSW_0908_PFASOMP_23	On-base	-		0.11		*10.6*		1.1		**11.7**	
SW108	22 Nov 2023	0908_SW108_231122	Normal	NSW_0908_PFASOMP_23	On-base	-		0.08		*5.54*		0.83		**6.37**	
SW108	18 Apr 2024	0908_SW108_240418	Normal	NSW_0908_PFASOMP_24	On-base	-		0.05		*3.12*		0.67		**3.79**	
SW108	24 Sep 2024	0908_SW108_240924	Normal	NSW_0908_PFASOMP_24	On-base	-		0.11		*7.44*		0.96		**8.4**	
SW110	16 Dec 2016	LC_B_SW_161216	Normal	NSW_0908_PFAS	On-base	-		0.1		*9.46*		1.43		**10.89**	
SW110	16 Dec 2016	LC_B_SW_161216	Normal	NSW_0908_PFAS	On-base	-		-		-		-		**10.9**	
SW110	16 Dec 2016	QC402_SW_161216	Field_D	NSW_0908_PFAS	On-base	-		0.12		*9.82*		1.58		**11.4**	
SW110	16 Dec 2016	QC502_WS_161216	Interlab_D	NSW_0908_PFAS	On-base	-		0.087		*14*		1.2		**15.2**	
SW110	12 Apr 2018	LC_B_SW_13042018	Normal	NSW_0908_PFAS	On-base	-		0.08		*3.46*		0.81		**4.27**	
SW110	07 Dec 2018	0908_LC_B_SW_181207	Normal	NSW_0908_PFAS	On-base	-		0.1		*5.41*		0.91		**6.32**	
SW110	14 Jun 2019	0908_LC_B_SW_190614	Normal	NSW_0908_PFAS	On-base	-		0.05		*1.64*		0.6		**2.24**	
SW110	14 Jun 2019	0908_QC121_190614	Field_D	NSW_0908_PFAS	On-base	-		0.06		*1.9*		0.78		**2.68**	
SW110	14 Jun 2019	0908_QC221_190614	Interlab_D	NSW_0908_PFAS	On-base	-		0.057		*1.7*		0.72		**2.42**	
SW110	06 Nov 2019	0908_LC_B_SW_191106	Normal	NSW_0908_PFASOMP	On-base	-		0.09		*3.39*		1.04		**4.43**	
SW110	22 May 2020	0908_SW110_200522	Normal	NSW_0908_PFASOMP	On-base	-		0.08		*4.42*		1		**5.42**	
SW110	27 Nov 2020	0908_SW110_201127	Normal	NSW_0908_PFASOMP	On-base	-		0.16		*12.3*		1.96		**14.3**	
SW110	11 May 2021	0908_SW110_210511	Normal	NSW_0908_PFASOMP	On-base	-		0.10		*5.24*		1.1		**6.34**	
SW110	16 Nov 2021	0908_SW110_211116	Normal	NSW_0908_PFASOMP	On-base	-		0.09		*5.96*		0.96		**6.92**	
SW110	19 May 2022	0908_SW110_220519	Normal	NSW_0908_PFASOMP	On-base	-		0.08		*5.33*		0.86		**6.19**	
SW110	10 Nov 2022	0908_SW110_221110	Normal	NSW_0908_PFASOMP	On-base	-		0.09		*5.41*		1.08		**6.49**	
SW110	10 May 2023	0908_SW110_230510	Normal	NSW_0908_PFASOMP_23	On-base	-		0.11		*8.55*		1.13		**9.68**	
SW110	22 Nov 2023	0908_SW110_231122	Normal	NSW_0908_PFASOMP_23	On-base	-		0.11		*7.61*		1.13		**8.74**	
SW110	18 Apr 2024	0908_SW110_240418	Normal	NSW_0908_PFASOMP_24	On-base	-		0.05		*2.74*		0.59		**3.33**	
SW110	25 Sep 2024	0908_SW110_240925	Normal	NSW_0908_PFASOMP_24	On-base	-		0.10		*5.84*		0.95		**6.79**	
SW582	23 Apr 2021	0908_SW582_210423	Normal	NSW_0908_PFASMGMT	On-base	-		0.13		*4.75*		1.67		**6.42**	
SW582	08 Jul 2021	0908_SW582_210708	Normal	NSW_0908_PFASMGMT	On-base	-		0.08		*5.09*		0.94		**6.03**	
SW582	08 Jul 2021	0908_QC100_210708	Field_D	NSW_0908_PFASMGMT	On-base	-		0.08		*4.15*		0.90		**5.05**	
SW582	08 Jul 2021	0908_QC200_210708	Interlab_D	NSW_0908_PFASMGMT	On-base	-		0.07		*4.2*		0.99		**5.1**	
SW582	14 Sep 2021	0908_SW582_210914	Normal	NSW_0908_PFASMGMT	On-base	-		<0.01		*0.08*		<0.02		0.08	
SW582	13 Jul 2022	0908_SW582_220713	Normal	NSW_0908_PFASMGMT	On-base	-		0.09		*7.48*		0.86		**8.34**	
SW582	12 Aug 2022	0908_SW582_220812	Normal	NSW_0908_PFASMGMT	On-base	-		0.01		*0.43*		0.16		0.59	
SW582	24 Apr 2024	0908_SW582_240424	Normal	NSW_0908_PFASOMP_24	On-base	-		0.06		*3.78*		0.64		**4.42**	
SW582	03 Sep 2024	0908_SW582_240903	Normal	NSW_0908_PFASMGMT_24	On-base	-		0.08		*4.69*		0.76		**5.45**	
SW582	25 Sep 2024	0908_SW582_240925	Normal	NSW_0908_PFASOMP_24	On-base	-		0.08		*4.04*		0.79		**4.83**	
SW582	21 Nov 2024	0908_SW582_241121	Normal	NSW_0908_PFASMGMT_24	On-base	-		0.08		*4.56*		0.80		**5.36**	
SW588	23 Apr 2021	0908_SW588_210423	Normal	NSW_0908_PFASMGMT	On-base	-		0.15		*8.07*		2.67		**10.7**	
SW588	08 Jul 2021	0908_SW588_210708	Normal	NSW_0908_PFASMGMT	On-base	-		0.12		*9.18*		1.67		**10.8**	
SW588	14 Sep 2021	0908_SW588_210914	Normal	NSW_0908_PFASMGMT	On-base	-		<0.01		*0.04*		<0.02		0.04	
SW588	13 Jul 2022	0908_SW588_220713	Normal	NSW_0908_PFASMGMT	On-base	-		0.01		*0.54*		0.09		0.63	
SW588	03 Sep 2024	0908_SW588_240903	Normal	NSW_0908_PFASMGMT_24	On-base	-		0.08		*2.73*		0.92		**3.65**	
SW588	25 Sep 2024	0908_SW588_240925	Normal	NSW_0908_PFASOMP_24	On-base	-		0.03		*1.81*		0.41		**2.22**	
SW588	22 Nov 2024	0908_SW588_241122	Normal	NSW_0908_PFASMGMT_24	On-base	-		0.01		*0.59*		0.12		0.71	
SW060	17 Jun 2014	DD3_WATER	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.61		*0.36*		4.2		**4.56**	
SW060	14 Jan 2016	DD3_SW_1412016	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.589		*10.3*		5.42		**15.72**	
SW060	14 Jan 2016	QC100_SW_1412016	Field_D	NSW_0908_PFAS	Primary Management Zone	Region 3		0.212		*8.98*		-		**8.98**	
SW060	14 Dec 2016	DD3_SW_161214	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.74		*7.82*		10.3		**18.1**	
SW060	14 Dec 2016	DD3_SW_161214	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		-		-		-		**18.12**	
SW060	02 Feb 2017	DD3_SW_020217	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.43		*14.2*		4.18		**18.38**	
SW060	02 Feb 2017	DD3_SW_020217	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		-		-		-		**18.4**	
SW060	03 Mar 2017	DD3_SW_030317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.05		*1.55*		1		**2.55**	
SW060	09 Mar 2017	DD3_SW_090317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.42		*9.07*		7.41		**16.48**	
SW060	09 Mar 2017	DD3_SW_090317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		-		-		-		**16.5**	
SW060	16 Mar 2017	DD3_SW_20170316	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.28		*5.48*		6.78		**12.26**	
SW060	16 Mar 2017	DD3_SW_20170316	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		-		-		-		**12.3**	
SW060	23 Mar 2017	DD3_SW_23032017	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.68		*11.9*		14		**25.9**	
SW060	31 Mar 2017	DD3_SW_310317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.34		*6.72*		6.52		**13.2**	
SW060	31 Mar 2017	DD3_SW_310317	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		-		-		-		**13.24**	
SW060	05 Apr 2017	DD3_SW_050417	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.64		*9.5*		11.4		**20.9**	
SW060	04 May 2017	DD3_SW_040517	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		2.34		*35.3*		39.9		**75.2**	
SW060	01 Jun 2017	DD3_SW_010617	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		1.87		*20*		28		**48**	
SW060	20 Jul 2017	DD3_SW_200717	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.93		*31.8*		19.8		**51.6**	
SW060	12 Apr 2018	DD3_SW_12042018	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		0.61		*12.2*		10.7		**22.9**	
SW060	06 Dec 2018	0908_DD3_SW_181206	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3		1.43		*30.7*		22.4		**53.1**	

Table E2 - Historical Surface Water Analytical Results and Deviations

											PFAS Results and Deviations							
											PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
											µg/L		µg/L		µg/L		µg/L	
LOR											0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water											**10**						**2**	
PFAS NEMP 2020 Freshwater 99%											*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**												
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	0.4		*4.78*		7.09		**11.87**	
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	NSW_0908_PFAS	Primary Management Zone	Region 3	-		-		-		**11.9**	
SW060	05 Nov 2019	0908_DD3_SW_191105	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.64		*12.5*		10.4		**22.9**	
SW060	04 Jun 2020	0908_SW060_200604	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.88		*8.48*		10.8		**19.3**	
SW060	20 Nov 2020	0908_SW060_201120	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	1.19		*26.4*		16.8		**43.2**	
SW060	18 Dec 2020	0908_SW060_201218	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.56		*13.9*		10.4		**24.3**	
SW060	21 Dec 2020	0908_SW060_2012211403	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50		*9.76*		7.92		**17.7**	
SW060	21 Dec 2020	0908_SW060_2012211503	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.36		*5.83*		5.7		**11.5**	
SW060	21 Dec 2020	0908_SW060_2012211603	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.37		*7.23*		6.95		**14.2**	
SW060	21 Dec 2020	0908_SW060_2012211703	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.40		*6.55*		6.87		**13.4**	
SW060	21 Dec 2020	0908_SW060_2012211803	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.44		*8.35*		7.57		**15.9**	
SW060	21 Dec 2020	0908_SW060_2012211903	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.49		*9.66*		8.07		**17.7**	
SW060	21 Dec 2020	0908_SW060_2012212003	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48		*7.98*		8.2		**16.2**	
SW060	21 Dec 2020	0908_SW060_2012212103	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.46		*8.31*		7.94		**16.2**	
SW060	21 Dec 2020	0908_SW060_2012212203	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52		*10.8*		10.3		**21.1**	
SW060	21 Dec 2020	0908_SW060_2012212303	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.45		*9.05*		9.09		**18.1**	
SW060	22 Dec 2020	0908_SW060_2012220003	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.44		*8.99*		9.68		**18.7**	
SW060	22 Dec 2020	0908_SW060_2012220103	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.42		*8.62*		9.57		**18.2**	
SW060	22 Dec 2020	0908_SW060_2012220203	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52		*11.7*		8.34		**20**	
SW060	22 Dec 2020	0908_SW060_2012220303	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	1.08		*17.9*		17.9		**35.8**	
SW060	22 Dec 2020	0908_SW060_2012220403	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.81		*14.2*		14.6		**28.8**	
SW060	22 Dec 2020	0908_SW060_2012220503	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.69		*12.7*		11.6		**24.3**	
SW060	22 Dec 2020	0908_SW060_2012220603	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.54		*9.08*		8.28		**17.4**	
SW060	22 Dec 2020	0908_SW060_2012220703	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.41		*7.38*		6.84		**14.2**	
SW060	22 Dec 2020	0908_SW060_2012220803	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48		*7.21*		8.34		**15.6**	
SW060	22 Dec 2020	0908_SW060_2012220903	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.32		*7.66*		6.34		**14**	
SW060	22 Dec 2020	0908_SW060_2012221003	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.29		*6.17*		5.49		**11.7**	
SW060	22 Dec 2020	0908_SW060_2012221103	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.36		*7.37*		6.96		**14.3**	
SW060	22 Dec 2020	0908_SW060_2012221203	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.40		*8.38*		7.68		**16.1**	
SW060	22 Dec 2020	0908_SW060_2012221303	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.41		*8.58*		7.42		**16**	
SW060	28 Jan 2021	0908_SW060_2101281647	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.32		*7.59*		4.71		**12.3**	
SW060	28 Jan 2021	0908_SW060_2101281747	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.26		*6.81*		4.28		**11.1**	
SW060	28 Jan 2021	0908_SW060_2101281847	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.25		*6.2*		3.9		**10.1**	
SW060	28 Jan 2021	0908_SW060_2101281947	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.29		*6.5*		4.3		**10.8**	
SW060	28 Jan 2021	0908_SW060_2101282047	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.30		*6.72*		4.41		**11.1**	
SW060	28 Jan 2021	0908_SW060_2101282147	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.34		*7.64*		5.26		**12.9**	
SW060	28 Jan 2021	0908_SW060_2101282247	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.37		*8.6*		5.43		**14**	
SW060	28 Jan 2021	0908_SW060_2101282347	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.42		*9.34*		6.3		**15.6**	
SW060	28 Jan 2021	0908_QC104_210128	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.30		*7.4*		4.5		**11.9**	
SW060	28 Jan 2021	0908_QC204_210128	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.2		*4.3*		3.4		**7.7**	
SW060	29 Jan 2021	0908_SW060_210129	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52		*12.1*		7.47		**19.6**	
SW060	29 Jan 2021	0908_SW060_2101290047	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48		*10.2*		6.72		**16.9**	
SW060	29 Jan 2021	0908_SW060_2101290147	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50		*12*		7.35		**19.4**	
SW060	29 Jan 2021	0908_SW060_2101290247	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.51		*12.8*		7.53		**20.3**	
SW060	29 Jan 2021	0908_SW060_2101290347	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52		*12.7*		7.47		**20.2**	
SW060	29 Jan 2021	0908_SW060_2101290447	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.57		*15.2*		8.09		**23.3**	
SW060	29 Jan 2021	0908_SW060_2101290547	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.51		*12.3*		7.35		**19.6**	
SW060	29 Jan 2021	0908_SW060_2101290647	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.60		*14.5*		7.88		**22.4**	
SW060	29 Jan 2021	0908_SW060_2101290747	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50		*13.4*		6.72		**20.1**	
SW060	29 Jan 2021	0908_SW060_2101290847	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52		*12.7*		7.74		**20.4**	
SW060	29 Jan 2021	0908_SW060_2101290947	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.49		*12.2*		6.83		**19**	
SW060	29 Jan 2021	0908_SW060_2101291047	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.52		*12.2*		6.84		**19**	
SW060	29 Jan 2021	0908_SW060_2101291147	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.48		*10.6*		6.43		**17**	
SW060	29 Jan 2021	0908_SW060_2101291247	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.53		*13.1*		7.16		**20.3**	
SW060	29 Jan 2021	0908_SW060_2101291347	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.56		*12.6*		9.26		**21.9**	
SW060	29 Jan 2021	0908_SW060_2101291447	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.44		*8.18*		6.72		**14.9**	
SW060	29 Jan 2021	0908_SW060_2101291547	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.36		*9.16*		5.68		**14.8**	
SW060	29 Jan 2021	0908_QC100_210129	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.50		*12.8*		7.19		**20**	
SW060	19 Feb 2021	0908_SW060_210219	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.95		*18.7*		10.4		**29.1**	
SW060	26 Mar 2021	0908_SW060_210326	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.12		*4.26*		1.58		**5.84**	
SW060	26 Mar 2021	0908_QC100_210326	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.12		*4.28*		1.58		**5.86**	
SW060	26 Mar 2021	0908_QC200_210326	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.086		*2.8*		1.4		**4.2**	
SW060	23 Apr 2021	0908_SW060_210423	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.62		*12*		8.75		**20.8**	
SW060	11 May 2021	0908_SW060_210511	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.59		*10.7*		6.08		**16.8**	
SW060	25 Jun 2021	0908_SW060_210625	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.79		*14.9*		8.06		**23**	
SW060	30 Jul 2021	0908_SW060_210730	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.69		*15.3*		6.94		**22.2**	
SW060	20 Aug 2021	0908_SW060_210820	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.81		*10.5*		4.21		**14.7**	
SW060	27 Sep 2021	0908_SW060_210927	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.66		*13*		8.29		**21.3**	
SW060	25 Oct 2021	0908_SW060_211025	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.85		*16.3*		8.41		**24.7**	
SW060	15 Nov 2021	0908_SW060_211115	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.62		*13.4*		8.04		**21.4**	
SW060	18 May 2022	0908_SW060_220518	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.31		*7.21*		3.9		**11.1**	
SW060	09 Nov 2022	0908_SW060_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.60		*16.3*		6.9		**23.2**	
SW060	09 Nov 2022	0908_QC109_221109	Field_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.62		*16.1*		7.12		**23.2**	
SW060	09 Nov 2022	0908_QC209_221109	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	Region 3	0.57		*16*		6		**22**	
SW060	11 May 2023	0908_SW060_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Region 3	0.79		*15*		13.4		**28.4**	
SW060	23 Nov 2023	0908_SW060_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	Region 3	0.09		*1.2*		1.96		**3.16**	
SW060	22 Apr 2024	0908_SW060_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.49		*9.73*		10.4		**20.1**	
SW060	19 Sep 2024	0908_SW060_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.76		*17.8*		8.1		**25.9**	
SW060	19 Sep 2024	0908_QC101_240919	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.85		*17.8*		9.12		**26.9**	
SW060	19 Sep 2024	0908_QC201_240919	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.78		*21*		11		**32**	
SW333	16 Dec 2020	0908_SW333_201216	Normal	NSW_0908_PFASMGMT	Primary Management Zone	Region 3	0.31		*1.49*		4.76		**6.25**	
SW333	22 Apr 2024	0908_SW333_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.04	New Minimum	*0.37*	New Minimum	1.10		1.47	New Minimum
SW333	19 Sep 2024	0908_SW333_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	Region 3	0.07		*0.81*		0.94		1.75	
SW001	18 Jun 2014	MD1_WATER	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06		*0.82*		0.56		1.38	
SW001	18 Jun 2014	QC1_WATER	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06		*0.73*		0.52		1.25	
SW001	26 Jun 2014	QAQC2_WATER	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.13		*5.26*		-		**5.26**	
SW001	13 Jan 2016	MD1_SW_1312016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.109		*2.52*		-		**2.52**	
SW001	15 Jan 2016	MD1_SW_15012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.039		*1.42*		-		1.42	
SW001	14 Dec 2016	MD1_SW_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11		*4.3*		1.13		**5.43**	
SW001	14 Dec 2016	QC401_20161214	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.1		*5.2*		1.22		**6.42**	
SW001	14 Dec 2016	QC501_20161214	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.098		*5.5*		6.3		**11.8**	
SW001	02 Feb 2017	MD1_SW_020217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.08		*3.06*		0.59		**3.65**	
SW001	09 Feb 2017	MD1_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.05		*0.44*		0.16		0.6	
SW001	16 Feb 2017	MD1_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.17		*6.12*		1.5		**7.62**	
SW001	24 Feb 2017	MD1_SW_240217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11		*3.76*		0.91		**4.67**	
SW001	02 Mar 2017	MD1_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		<0.01		<0.02		<0.01	
SW001	02 Mar 2017	QC410_SW_020317	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.14*		0.07		0.21	
SW001	02 Mar 2017	QC509_02032017	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.02		*0.16*		0.084		0.244	
SW001	09 Mar 2017	MD1_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*0.3*		0.23		0.53	
SW001	16 Mar 2017	MD1_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.1*		0.02		0.12	
SW001	23 Mar 2017	MD1_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*1.11*		0.34		1.45	
SW001	24 Mar 2017	MD1_AS_240317_0330	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.04*		0.02		0.06	
SW001	24 Mar 2017	MD1_AS_240317_0331	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.03*		<0.02		0.03	
SW001	24 Mar 2017	MD1_AS_240317_0430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.03*		<0.02		0.03	
SW001	24 Mar 2017	MD1_AS_240317_0445	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.04*		<0.02		0.04	
SW001	24 Mar 2017	MD1_AS_240317_0500	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.05*		0.02		0.07	
SW001	24 Mar 2017	MD1_AS_240317_0600	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.09*		0.02		0.11	
SW001	24 Mar 2017	MD1_AS_240317_0615	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.04*		<0.02		0.04	
SW001	24 Mar 2017	MD1_AS_240317_0630	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.04*		<0.02		0.04	
SW001	24 Mar 2017	MD1_AS_240317_ 0645	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.03*		<0.02		0.03	
SW001	31 Mar 2017	MD1_AS_310317_2345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*1.06*		0.45		1.51	
SW001	31 Mar 2017	MD1_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.33*		0.14		0.47	
SW001	01 Apr 2017	MD1_AS_010417_0000	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.28*		0.09		0.37	
SW001	01 Apr 2017	MD1_AS_010417_0015	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.27*		0.07		0.34	
SW001	01 Apr 2017	MD1_AS_010417_0030	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.23*		0.06		0.29	
SW001	01 Apr 2017	MD1_AS_010417_0045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.22*		0.06		0.28	
SW001	04 Apr 2017	MD1_AS_040417_545	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*0.68*		0.34		1.02	
SW001	04 Apr 2017	MD1_AS_040417_600	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*0.84*		0.3		1.14	
SW001	04 Apr 2017	MD1_AS_040417_615	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01		*0.37*		0.12		0.49	
SW001	04 Apr 2017	MD1_AS_040417_630	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.29*		0.1		0.39	

Table E2 - Historical Surface Water Analytical Results and Deviations

									PFAS Results and Deviations							
									PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
									µg/L		µg/L		µg/L		µg/L	
LOR									0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water									**10**						**2**	
PFAS NEMP 2020 Freshwater 99%									*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**										
SW001	04 Apr 2017	MD1_AS_040417_745	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.16*		0.05		0.21			
SW001	04 Apr 2017	MD1_AS_040417_800	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.05*		<0.02		0.05			
SW001	04 Apr 2017	MD1_AS_040417_815	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.05*		<0.02		0.05			
SW001	04 Apr 2017	MD1_AS_040417_830	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*0.08*		<0.02		0.08			
SW001	04 Apr 2017	MD1_AS_040417_845	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.09*		0.02		0.11			
SW001	04 Apr 2017	MD1_AS_040417_1430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.11*		0.02		0.13			
SW001	04 Apr 2017	MD1_AS_040417_1445	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03		*0.72*		0.26		0.98			
SW001	04 Apr 2017	MD1_AS_040417_1700	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*1.05*		0.54		1.59			
SW001	04 Apr 2017	MD1_AS_040417_1715	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.8*		0.27		1.07			
SW001	04 Apr 2017	MD1_AS_040417_1730	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.39*		0.1		0.49			
SW001	05 Apr 2017	MD1_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03		*0.8*		0.38		1.18			
SW001	06 Apr 2017	MD1_AS_060417_0230	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03		*4.31*		1.13		**5.44**			
SW001	06 Apr 2017	MD1_AS_060417_0345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.11*		0.02		0.13			
SW001	06 Apr 2017	MD1_AS_060417_0400	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.12*		0.03		0.15			
SW001	06 Apr 2017	MD1_AS_060417_0415	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.17*		0.04		0.21			
SW001	06 Apr 2017	MD1_AS_060417_0430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.18*		0.05		0.23			
SW001	06 Apr 2017	MD1_AS_060417_0445	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.22*		0.07		0.29			
SW001	06 Apr 2017	MD1_AS_060417_0500	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.21*		0.07		0.28			
SW001	04 May 2017	MD1_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11		*4.35*		2.59		**6.94**			
SW001	01 Jun 2017	MD1_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07		*2.23*		1.25		**3.48**			
SW001	20 Jul 2017	MD1_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11		*3.71*		2.44		**6.15**			
SW001	12 Apr 2018	MD1_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06		*3.14*		0.55		**3.69**			
SW001	06 Dec 2018	0908_MD1_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07		*2.92*		0.68		**3.6**			
SW001	09 Apr 2019	0908_MD01_190409	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.12		*4.83*		1.25		**6.08**			
SW001	14 Jun 2019	0908_MD1_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03		*2.45*		0.38		**2.83**			
SW001	05 Nov 2019	0908_MD1_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.08*		<0.02		0.08			
SW001	02 Jun 2020	0908_SW001_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*2.24*		0.48		**2.72**			
SW001	27 Oct 2020	0908_SW001_201027	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	<0.04		*0.49*		0.20		0.69			
SW001	28 Oct 2020	0908_SW001_201028	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	<0.05		*0.66*		0.23		0.89			
SW001	28 Oct 2020	0908_QC100_201028	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	<0.05		*0.60*		0.25		0.85			
SW001	20 Nov 2020	0908_SW001_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.13		*5.3*		1.67		**6.97**			
SW001	20 Nov 2020	0908_QC102_201120	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12		*6.86*		1.68		**8.54**			
SW001	20 Nov 2020	0908_QC202_201120	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*2.6*		1		**3.6**			
SW001	18 Dec 2020	0908_SW001_201218	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.85*		0.39		**2.24**			
SW001	18 Dec 2020	0908_QC100_201218	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.89*		0.42		**2.31**			
SW001	18 Dec 2020	0908_QC200_201218	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.8*		0.44		**2.24**			
SW001	21 Dec 2020	0908_SW001_2012211510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.81*		0.2		1.01			
SW001	21 Dec 2020	0908_SW001_2012211610	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.45*		0.09		0.54			
SW001	21 Dec 2020	0908_SW001_2012211710	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.39*		0.09		0.48			
SW001	21 Dec 2020	0908_SW001_2012211810	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.49*		0.14		0.63			
SW001	21 Dec 2020	0908_SW001_2012211910	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.69*		0.16		0.85			
SW001	21 Dec 2020	0908_SW001_2012212010	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.57*		0.14		0.71			
SW001	21 Dec 2020	0908_SW001_2012212110	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.62*		0.14		0.76			
SW001	21 Dec 2020	0908_SW001_2012212210	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.59*		0.13		0.72			
SW001	21 Dec 2020	0908_SW001_2012212310	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.44*		0.1		0.54			
SW001	22 Dec 2020	0908_SW001_2012220010	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.45*		0.09		0.54			
SW001	22 Dec 2020	0908_SW001_2012220110	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.27*		0.06		0.33			
SW001	22 Dec 2020	0908_SW001_2012220210	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.36*		0.1		0.46			
SW001	22 Dec 2020	0908_SW001_2012220310	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.46*		0.14		0.6			
SW001	22 Dec 2020	0908_SW001_2012220410	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.62*		0.18		0.8			
SW001	22 Dec 2020	0908_SW001_2012220510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.79*		0.25		1.04			
SW001	22 Dec 2020	0908_SW001_2012220610	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.04*		0.31		1.35			
SW001	22 Dec 2020	0908_SW001_2012220710	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.17*		0.32		1.49			
SW001	22 Dec 2020	0908_SW001_2012220810	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.09*		0.34		1.43			
SW001	28 Jan 2021	0908_SW001_2101281650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.96*		0.28		1.24			
SW001	28 Jan 2021	0908_SW001_2101281750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.94*		0.3		1.24			
SW001	28 Jan 2021	0908_SW001_2101281850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.48*		0.13		0.61			
SW001	28 Jan 2021	0908_SW001_2101281950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.38*		0.1		0.48			
SW001	28 Jan 2021	0908_SW001_2101282050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.43*		0.12		0.55			
SW001	28 Jan 2021	0908_SW001_2101282150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	<0.01		*0.35*		0.1		0.45			
SW001	28 Jan 2021	0908_SW001_2101282250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.43*		0.14		0.57			
SW001	28 Jan 2021	0908_SW001_2101282350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.52*		0.14		0.66			
SW001	28 Jan 2021	0908_QC102_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.89*		0.28		1.17			
SW001	28 Jan 2021	0908_QC202_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.019		*0.91*		0.26		1.17			
SW001	29 Jan 2021	0908_SW001_210129	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.03*		0.29		1.32			
SW001	29 Jan 2021	0908_SW001_2101290050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.64*		0.19		0.83			
SW001	29 Jan 2021	0908_SW001_2101290150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.68*		0.21		0.89			
SW001	29 Jan 2021	0908_SW001_2101290250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.76*		0.27		1.03			
SW001	29 Jan 2021	0908_SW001_2101290350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.94*		0.3		1.24			
SW001	29 Jan 2021	0908_SW001_2101290450	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.94*		0.32		1.26			
SW001	29 Jan 2021	0908_SW001_2101290550	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.03*		0.32		1.35			
SW001	29 Jan 2021	0908_SW001_2101290650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.49*		0.45		1.94			
SW001	29 Jan 2021	0908_SW001_2101290750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.28*		0.36		1.64			
SW001	29 Jan 2021	0908_SW001_2101290850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.45*		0.44		1.89			
SW001	29 Jan 2021	0908_SW001_2101290950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.49*		0.4		1.89			
SW001	29 Jan 2021	0908_SW001_2101291050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.05*		0.3		1.35			
SW001	29 Jan 2021	0908_SW001_2101291150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.04*		0.31		1.35			
SW001	29 Jan 2021	0908_SW001_2101291250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.06*		0.29		1.35			
SW001	29 Jan 2021	0908_SW001_2101291350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.84*		0.23		1.07			
SW001	29 Jan 2021	0908_SW001_2101291450	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.84*		0.24		1.08			
SW001	29 Jan 2021	0908_SW001_2101291550	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*0.9*		0.27		1.17			
SW001	19 Feb 2021	0908_SW001_210219	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.76*		0.16		0.92			
SW001	26 Mar 2021	0908_SW001_210326	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*1.64*		0.47		**2.11**			
SW001	23 Apr 2021	0908_SW001_210423	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*2.02*		0.61		**2.63**			
SW001	11 May 2021	0908_SW001_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09		*3.93*		1.16		**5.09**			
SW001	25 Jun 2021	0908_SW001_210625	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.31*		0.37		1.68			
SW001	09 Jul 2021	0908_SW001_210709	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.02		*1*		0.22		1.22			
SW001	30 Jul 2021	0908_SW001_210730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07		*5.57*		0.72		**6.29**			
SW001	20 Aug 2021	0908_SW001_210820	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*2.75*		0.52		**3.27**			
SW001	27 Sep 2021	0908_SW001_210927	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*2.21*		0.48		**2.69**			
SW001	25 Oct 2021	0908_SW001_211025	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*2.63*		0.47		**3.1**			
SW001	19 Nov 2021	0908_SW001_211119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*2.18*		0.45		**2.63**			
SW001	19 Nov 2021	0908_QC114_211119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*2.3*		0.53		**2.83**			
SW001	18 May 2022	0908_SW001_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.65*		0.37		**2.02**			
SW001	13 Jul 2022	0908_SW001_220713	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01		*0.59*		0.1		0.69			
SW001	13 Jul 2022	0908_QC100_220713	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01		*0.63*		0.11		0.74			
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01		*0.83*		0.21		0.98			
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	-		-		-		1.04			
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.01		*0.76*		0.2		0.92			
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	-		-		-		0.96			
SW001	08 Nov 2022	0908_SW001_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.46*		0.34		1.8			
SW001	08 May 2023	0908_SW001_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.04		*2.16*		0.41		**2.57**			
SW001	21 Nov 2023	0908_SW001_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.02		*1.16*		0.24		1.4			
SW001	24 Apr 2024	0908_SW001_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04		*2.5*		0.49		**2.99**			
SW001	05 Sep 2024	0908_SW001_240905	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.03		*1.49*		0.3		1.79			
SW001	05 Sep 2024	0908_QC101_240905	Field_D	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.03		*1.48*		0.31		1.79			
SW001	05 Sep 2024	0908_QC201_240905	Interlab_D	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.02		*1.2*		0.33		1.5			
SW001	25 Sep 2024	0908_SW001_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03		*1.9*		0.4		**2.3**			
SW001	20 Nov 2024	0908_SW001_241120	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.03		*1.62*		0.35		1.97			
SW006	23 Jun 2014	MD6_WATER	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.04*		0.09		0.13			
SW006	13 Jan 2016	MD6_SW_1312016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.007		*0.352*		-		0.352			
SW006	15 Jan 2016	MD6_SW_15012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.008		*0.112*		-		0.112			
SW006	16 Mar 2017	MD6_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.03*		<0.02		0.03			
SW006	17 Mar 2017	QC412_SW_2017317	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.05		*0.36*		0.24		0.6			
SW006	23 Mar 2017	MD6_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.03*		<0.02		0.03			
SW006	23 Mar 2017	QC413_SW_23032017	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.03*		<0.02		0.03			
SW006	23 Mar 2017	QC512_SW_230317	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.02		*0.02*		<0.02		0.02			
SW006	31 Mar 2017	MD6_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.03*		<0.02		0.03			
SW006	05 Apr 2017	MD6_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01		*0.07*		0.09		0.16			
SW006	04 May 2017	MD6_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.09*		0.08		0.17			

Table E2 - Historical Surface Water Analytical Results and Deviations

									PFAS Results and Deviations							
									PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
									µg/L		µg/L		µg/L		µg/L	
LOR									0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water									**10**						**2**	
PFAS NEMP 2020 Freshwater 99%									*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**										
SW006	01 Jun 2017	MD6_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.13*		0.22		0.35			
SW006	20 Jul 2017	MD6_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.11*		0.06		0.17			
SW006	12 Apr 2018	MD6_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*0.26*		0.16		0.42			
SW006	06 Dec 2018	0908_MD6_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*0.83*		0.26		1.09			
SW006	14 Jun 2019	0908_MD6_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.44*		0.13		0.57			
SW006	05 Nov 2019	0908_MD6_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*0.11*		0.32		0.43			
SW006	02 Jun 2020	0908_SW006_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*2.7*		0.45		**3.15**			
SW006	20 Nov 2020	0908_SW006_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10		*8.81*		1.17		**9.98**			
SW006	11 May 2021	0908_SW006_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16		*14.3*		1.62		**15.9**			
SW006	17 Nov 2021	0908_SW006_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.14		*12*		1.49		**13.5**			
SW006	18 May 2022	0908_SW006_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12		*18.8*		1.05		**19.8**			
SW006	13 Jul 2022	0908_SW006_220713	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.05		*4.04*		0.47		**4.51**			
SW006	08 Nov 2022	0908_SW006_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07		*9.92*		0.64		**10.6**			
SW006	08 May 2023	0908_SW006_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.07		*6.13*		0.64		**6.77**			
SW006	24 Apr 2024	0908_SW006_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	<0.01		*0.81*		0.32		1.13			
SW006	25 Sep 2024	0908_SW006_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03		*1.27*		0.63		1.9			
SW007	13 Jan 2016	MD7_SW_1312016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.029		*0.852*		-		0.852			
SW007	15 Jan 2016	MD7_SW_15012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.017		*0.299*		-		0.299			
SW007	14 Dec 2016	MD7_SW_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01		*0.98*		0.36		1.34			
SW007	02 Feb 2017	MD7_SW_020217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*1.26*		0.22		1.48			
SW007	09 Feb 2017	MD7_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.23*		0.06		0.29			
SW007	16 Feb 2017	MD7_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.05		*1.14*		0.26		1.4			
SW007	02 Mar 2017	MD7_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.57*		0.38		0.95			
SW007	09 Mar 2017	MD7_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01		*0.81*		0.27		1.08			
SW007	16 Mar 2017	MD7_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*1.12*		0.44		1.56			
SW007	23 Mar 2017	MD7_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07		*8.11*		0.73		**8.84**			
SW007	31 Mar 2017	MD7_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.01		*0.79*		0.24		1.03			
SW007	05 Apr 2017	MD7_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.18		*11.8*		2.91		**14.7**			
SW007	05 Apr 2017	MD7_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	-		-		-		**14.71**			
SW007	04 May 2017	MD7_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.34		*20.2*		4.5		**24.7**			
SW007	01 Jun 2017	MD7_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.25		*3.06*		3.06		**6.12**			
SW007	20 Jul 2017	MD7_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.21		*31.4*		4.79		**36.19**			
SW007	20 Jul 2017	MD7_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	-		-		-		**36.2**			
SW007	12 Apr 2018	MD7_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.09		*2.64*		1.01		**3.65**			
SW007	12 Apr 2018	QC100_SW_12042018	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.09		*2.8*		1.03		**3.83**			
SW007	12 Apr 2018	QC200_SW_12042018	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.067		*2.6*		0.96		**3.56**			
SW007	06 Dec 2018	0908_MD7_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11		*7.34*		1.35		**8.69**			
SW007	14 Jun 2019	0908_MD7_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*2.67*		0.32		**2.99**			
SW007	05 Nov 2019	0908_MD7_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*4.92*		0.42		**5.34**			
SW007	02 Jun 2020	0908_SW007_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.44		*23.3*		3.67		**27**			
SW007	20 Nov 2020	0908_SW007_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.26		*19.9*		2.13		**22**			
SW007	18 Dec 2020	0908_SW007_201218	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*5.06*		0.44		**5.5**			
SW007	21 Dec 2020	0908_SW007_2012211650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*4.62*		0.25		**4.87**			
SW007	21 Dec 2020	0908_SW007_2012211750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*4.1*		0.25		**4.35**			
SW007	21 Dec 2020	0908_SW007_2012211850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*3.73*		0.27		**4**			
SW007	21 Dec 2020	0908_SW007_2012211950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.96*		0.12		**2.08**			
SW007	21 Dec 2020	0908_SW007_2012212050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*1.43*		0.1		1.53			
SW007	21 Dec 2020	0908_SW007_2012212150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*1.43*		0.1		1.53			
SW007	21 Dec 2020	0908_SW007_2012212250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.7*		0.14		1.84			
SW007	21 Dec 2020	0908_SW007_2012212350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*2.09*		0.2		**2.29**			
SW007	22 Dec 2020	0908_SW007_2012220050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*2.62*		0.23		**2.85**			
SW007	22 Dec 2020	0908_SW007_2012220150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*2.24*		0.21		**2.45**			
SW007	22 Dec 2020	0908_SW007_2012220250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.9*		0.16		**2.06**			
SW007	22 Dec 2020	0908_SW007_2012220350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.65*		0.12		1.77			
SW007	22 Dec 2020	0908_SW007_2012220450	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*1.28*		0.1		1.38			
SW007	22 Dec 2020	0908_SW007_2012220550	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*1.22*		0.1		1.32			
SW007	22 Dec 2020	0908_SW007_2012220650	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.01		*1.43*		0.13		1.56			
SW007	22 Dec 2020	0908_SW007_2012220750	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*1.74*		0.16		1.9			
SW007	22 Dec 2020	0908_SW007_2012220850	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.02		*2.37*		0.23		**2.6**			
SW007	22 Dec 2020	0908_SW007_2012220950	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*2.74*		0.26		**3**			
SW007	22 Dec 2020	0908_SW007_2012221050	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*2.94*		0.32		**3.26**			
SW007	22 Dec 2020	0908_SW007_2012221150	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*3.37*		0.36		**3.73**			
SW007	22 Dec 2020	0908_SW007_2012221250	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*3.66*		0.42		**4.08**			
SW007	22 Dec 2020	0908_SW007_2012221350	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*4.76*		0.53		**5.29**			
SW007	29 Jan 2021	0908_SW007_210129	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10		*7.3*		0.86		**8.16**			
SW007	29 Jan 2021	0908_SW007_2101291400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.13		*9.76*		1.35		**11.1**			
SW007	29 Jan 2021	0908_SW007_2101291500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12		*9.88*		1.22		**11.1**			
SW007	29 Jan 2021	0908_SW007_2101291600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12		*10.2*		1.08		**11.3**			
SW007	29 Jan 2021	0908_SW007_2101291700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10		*8.36*		0.89		**9.25**			
SW007	29 Jan 2021	0908_SW007_2101291800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08		*6.9*		0.67		**7.57**			
SW007	29 Jan 2021	0908_SW007_2101291900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*6.07*		0.54		**6.61**			
SW007	29 Jan 2021	0908_SW007_2101292000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07		*5.58*		0.59		**6.17**			
SW007	29 Jan 2021	0908_SW007_2101292100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*5.83*		0.6		**6.43**			
SW007	29 Jan 2021	0908_SW007_2101292200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*5.52*		0.53		**6.05**			
SW007	29 Jan 2021	0908_SW007_2101292300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*4.13*		0.44		**4.57**			
SW007	29 Jan 2021	0908_QC103_210129	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11		*9.64*		1.16		**10.8**			
SW007	29 Jan 2021	0908_QC203_210129	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.094		*7.2*		0.94		**8.14**			
SW007	30 Jan 2021	0908_SW007_2101300000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*5.13*		0.61		**5.74**			
SW007	30 Jan 2021	0908_SW007_2101300100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*6.23*		0.67		**6.9**			
SW007	30 Jan 2021	0908_SW007_2101300200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07		*6.14*		0.72		**6.86**			
SW007	30 Jan 2021	0908_SW007_2101300300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09		*7.16*		0.86		**8.02**			
SW007	30 Jan 2021	0908_SW007_2101300400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09		*6.78*		0.85		**7.63**			
SW007	30 Jan 2021	0908_SW007_2101300500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09		*7.36*		0.95		**8.31**			
SW007	30 Jan 2021	0908_SW007_2101300600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09		*7.7*		0.88		**8.58**			
SW007	30 Jan 2021	0908_SW007_2101300700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09		*7.49*		0.87		**8.36**			
SW007	30 Jan 2021	0908_SW007_2101300800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10		*7.66*		0.95		**8.61**			
SW007	30 Jan 2021	0908_SW007_2101300900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10		*8.38*		1		**9.38**			
SW007	30 Jan 2021	0908_SW007_2101301000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12		*8.56*		1.11		**9.67**			
SW007	30 Jan 2021	0908_SW007_2101301100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.10		*8.43*		1.02		**9.45**			
SW007	30 Jan 2021	0908_SW007_2101301200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11		*8.6*		1.13		**9.73**			
SW007	19 Feb 2021	0908_SW007_210219	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*3.07*		0.22		**3.29**			
SW007	26 Mar 2021	0908_SW007_210326	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.12		*9.48*		1.3		**10.8**			
SW007	23 Apr 2021	0908_SW007_210423	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16		*10.3*		1.62		**11.9**			
SW007	11 May 2021	0908_SW007_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.15		*10.3*		1.5		**11.8**			
SW007	25 Jun 2021	0908_SW007_210625	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.15		*15.7*		1.55		**17.2**			
SW007	30 Jul 2021	0908_SW007_210730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.20		*18.2*		1.81		**20**			
SW007	20 Aug 2021	0908_SW007_210820	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.13		*11.9*		1.09		**13**			
SW007	27 Sep 2021	0908_SW007_210927	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*6.82*		0.58		**7.4**			
SW007	27 Sep 2021	0908_QC100_210927	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*6.71*		0.55		**7.26**			
SW007	27 Sep 2021	0908_QC200_210927	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.057		*6.1*		0.55		**6.65**			
SW007	25 Oct 2021	0908_SW007_211025	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07		*12.4*		0.63		**13**			
SW007	25 Oct 2021	0908_QC100_211025	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07		*11.7*		0.59		**12.3**			
SW007	25 Oct 2021	0908_QC200_211025	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.09		*15*		0.67		**16**			
SW007	16 Nov 2021	0908_SW007_211116	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16		*12.8*		1.54		**14.3**			
SW007	16 Nov 2021	0908_QC116_211116	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.16		*10.5*		1.35		**11.8**			
SW007	18 May 2022	0908_SW007_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11		*11.2*		1		**12.2**			
SW007	13 Jul 2022	0908_SW007_220713	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.07		*6.32*		0.65		**6.97**			
SW007	12 Aug 2022	0908_SW007_220812	Normal	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.06		*7.43*		0.8		**8.23**			
SW007	12 Aug 2022	0908_QC101_220812	Field_D	NSW_0908_PFASMGMT	Secondary Management Zone	Region 1	0.07		*7.24*		0.85		**8.09**			
SW007	08 Nov 2022	0908_SW007_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.11		*13.9*		0.95		**14.8**			
SW007	08 May 2023	0908_SW007_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.07		*7.27*		0.66		**7.93**			
SW007	21 Nov 2023	0908_SW007_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	<0.01		*0.47*		0.06		0.53			
SW007	24 Apr 2024	0908_SW007_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.16		*13*		1.57		**14.6**			
SW007	05 Sep 2024	0908_SW007_240905	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.05		*2.32*		0.64		**2.96**			
SW007	25 Sep 2024	0908_SW007_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.05		*4.85*		0.7		**5.55**			
SW007	20 Nov 2024	0908_SW007_241120	Normal	NSW_0908_PFASMGMT_24	Secondary Management Zone	Region 1	0.13		*9.90*		1.09		**11.0**			
SW009	28 Jan 2016	MD8_SW_28012016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06		*2.2*		-		**2.2**			
SW009	14 Dec 2016	MD8_SW_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.11		*3.84*		2.1		**5.94**			
SW009	23 Mar 2017	MD8_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.02		*0.91*		0.18		1.09			
SW009	01 May 2018	MD8_SW_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.05		*1.26*		0.56		1.82			

Table E2 - Historical Surface Water Analytical Results and Deviations

								PFAS Results and Deviations							
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L		µg/L	
LOR								0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water								**10**						**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**									
SW009	07 Dec 2018	0908_MD8_SW_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.07		*2.2*		1.01		**3.21**	
SW009	13 Jun 2019	0908_MD8_SW_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03		*0.69*		0.66		1.35	
SW009	06 Nov 2019	0908_MD8_SW_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*2.68*		0.62		**3.3**	
SW009	24 Jun 2020	0908_SW009_200624	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08		*2.22*		1.2		**3.42**	
SW009	04 Dec 2020	0908_SW009_201204	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.07		*4.09*		0.93		**5.02**	
SW009	11 May 2021	0908_SW009_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08		*4.72*		1.05		**5.77**	
SW009	17 Nov 2021	0908_SW009_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.06		*2.23*		0.79		**3.02**	
SW009	17 May 2022	0908_SW009_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08		*7.95*		0.82		**8.77**	
SW009	08 Nov 2022	0908_SW009_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*2.45*		0.58		**3.03**	
SW009	08 May 2023	0908_SW009_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.08		*4.36*		0.83		**5.19**	
SW009	08 May 2023	0908_QC102_230508	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.07		*4.38*		0.93		**5.31**	
SW009	08 May 2023	0908_QC202_230508	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.06		*3.9*		1.1		**4.9**	
SW009	28 Nov 2023	0908_SW009_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05		*0.96*		0.58		1.54	
SW009	28 Nov 2023	0908_QC111_231128	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05		*0.96*		0.62		1.58	
SW009	28 Nov 2023	0908_QC211_231128	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05		*0.9*		0.68		1.6	
SW009	22 Apr 2024	0908_SW009_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03		*1.53*		0.39		1.92	
SW009	22 Apr 2024	0908_QC112_240422	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03		*1.42*		0.36		1.78	
SW009	22 Apr 2024	0908_QC212_240422	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04		*1.5*		0.44		1.9	
SW009	23 Sep 2024	0908_SW009_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04		*1.56*		0.58		**2.14**	
SW009	23 Sep 2024	0908_QC104_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.05		*1.46*		0.61		**2.07**	
SW009	23 Sep 2024	0908_QC204_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.04		*1.5*		0.62		**2.1**	
SW011	12 Feb 2016	MD10_SW_12022016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.06		*1.38*		1.4		**2.78**	
SW011	12 Feb 2016	QC103_SW_12022016	Field_D	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.05		*1.34*		1.38		**2.72**	
SW011	23 Mar 2017	MD10_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.04		*1.17*		0.54		1.71	
SW011	07 Dec 2018	0908_MD10_SW_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	0.03		*0.82*		0.43		1.25	
SW011	13 Jun 2019	0908_MD10_SW_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 1	<0.01		*0.26*		0.28		0.54	
SW011	06 Oct 2019	0908_MD10_SW_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.04		*1.11*		0.66		1.77	
SW011	19 Jun 2020	0908_SW011_200619	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.08		*3.31*		1.01		**4.32**	
SW011	04 Dec 2020	0908_SW011_201204	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*2.19*		0.7		**2.89**	
SW011	04 Dec 2020	0908_QC108_201204	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.05		*2.14*		0.73		**2.87**	
SW011	04 Dec 2020	0908_QC208_201204	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.044		*2.4*		0.78		**3.18**	
SW011	26 May 2021	0908_SW011_210526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 1	0.03		*1.41*		0.45		1.86	
SW011	11 May 2023	0908_SW011_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.05		*2.96*		0.58		**3.54**	
SW011	27 Nov 2023	0908_SW011_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 1	0.02		*0.48*		0.2		0.68	
SW011	23 Apr 2024	0908_SW011_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.01		*0.8*		0.6		1.4	
SW011	26 Sep 2024	0908_SW011_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 1	0.03		*1.4*		0.44		1.84	
SW019	30 Jan 2017	TC12_SW_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		<0.01		<0.02		<0.02	
SW019	09 Feb 2017	TC12_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.27*		0.17		0.44	
SW019	16 Feb 2017	TC12_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.02*		0.02		0.04	
SW019	24 Feb 2017	TC12_SW_240217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.17*		0.05		0.22	
SW019	02 Mar 2017	TC12_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		<0.01		<0.02		<0.01	
SW019	09 Mar 2017	TC12_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.03*		0.03		0.06	
SW019	16 Mar 2017	TC12_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		<0.01		0.02		0.02	
SW019	23 Mar 2017	TC12_SW_230317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.02*		<0.02		0.02	
SW019	30 Mar 2017	TC12_SW_300317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.03*		0.04		0.07	
SW019	06 Apr 2017	TC12_SW_060417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	0.02		*0.27*		0.42		0.69	
SW019	04 May 2017	TC12_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.07*		0.17		0.24	
SW019	01 Jun 2017	TC12_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.03*		0.07		0.1	
SW019	20 Jul 2017	TC12_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.09*		0.3		0.39	
SW019	12 Apr 2018	TC12_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.01*		0.02		0.03	
SW019	06 Dec 2018	0908_TC12_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.04*		0.07		0.11	
SW019	14 Jun 2019	0908_TC12_SW_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.07*		0.03		0.1	
SW019	07 Nov 2019	0908_TC12_SW_191107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01		*0.03*		0.09		0.12	
SW019	26 May 2020	0908_SW019_200526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01		*0.03*		0.03		0.06	
SW019	12 Nov 2020	0908_SW019_201112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01		*0.29*		0.35		0.64	
SW019	10 May 2021	0908_SW019_210510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.03		*0.81*		0.62		1.43	
SW019	12 Nov 2021	0908_SW019_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01		*0.06*		0.03		0.09	
SW019	27 May 2022	0908_SW019_220527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02		*0.33*		0.3		0.63	
SW019	14 Nov 2022	0908_SW019_221114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02		*0.74*		0.33		1.07	
SW019	17 May 2023	0908_SW019_230517	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01		*0.07*		0.11		0.18	
SW019	28 Nov 2023	0908_SW019_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01		*0.02*		0.06		0.08	
SW019	22 Apr 2024	0908_SW019_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01		*0.13*		0.15		0.28	
SW019	20 Sep 2024	0908_SW019_240920	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01		*0.14*		0.13		0.27	
SW023	06 Dec 2018	0908_TC6A_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 2	<0.01		*0.04*		0.05		0.09	
SW023	05 Nov 2019	0908_TC6a_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.05		<0.05		0.06		0.06	
SW023	04 Jun 2020	0908_SW023_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	<0.01		*0.08*		0.19		0.27	
SW023	20 Nov 2020	0908_SW023_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02		*0.5*		0.6		1.1	
SW023	11 May 2021	0908_SW023_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02		*0.28*		0.42		0.7	
SW023	17 Nov 2021	0908_SW023_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.01		*0.23*		0.24		0.47	
SW023	17 Nov 2021	0908_QC110_211117	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.01		*0.17*		0.22		0.39	
SW023	17 May 2022	0908_SW023_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02		*0.32*		0.3		0.62	
SW023	08 Nov 2022	0908_SW023_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 2	0.02		*0.36*		0.23		0.59	
SW023	09 May 2023	0908_SW023_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01		*0.06*		0.1		0.16	
SW023	20 Nov 2023	0908_SW023_231120	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 2	<0.01		*0.03*		0.06		0.09	
SW023	16 Apr 2024	0908_SW023_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01		*0.05*		0.08		0.13	
SW023	27 Sep 2024	0908_SW023_240927	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 2	<0.01		*0.18*		0.07		0.25	
SW059	19 Jun 2014	DD2_WATER	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.08		*0.02*		0.52		0.54	
SW059	14 Jan 2016	DD2_SW_1412016	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.082		*1.56*		-		1.56	
SW059	14 Jan 2016	QC200_SW_140116	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.064		*2.6*		-		**2.6**	
SW059	14 Dec 2016	DD2_SW_161214	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.1		*0.8*		1.68		**2.48**	
SW059	02 Feb 2017	DD2_SW_020217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*1.61*		0.66		**2.27**	
SW059	09 Feb 2017	DD2_SW_090217	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	<0.05		*0.44*		0.12		0.56	
SW059	16 Feb 2017	DD2_SW_16022017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	<0.05		*0.08*		0.18		0.26	
SW059	02 Mar 2017	DD2_SW_020317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.62*		0.65		1.27	
SW059	08 Mar 2017	DD2_AS_080317_1030	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	<0.01		*0.05*		0.06		0.11	
SW059	08 Mar 2017	DD2_AS_080317_1045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*1.13*		0.73		1.86	
SW059	08 Mar 2017	DD2_AS_080317_1100	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*1.01*		0.62		1.63	
SW059	08 Mar 2017	DD2_AS_080317_1115	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.86*		0.61		1.47	
SW059	08 Mar 2017	DD2_AS_080317_1130	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.82*		0.54		1.36	
SW059	08 Mar 2017	DD2_AS_080317_1145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.95*		0.51		1.46	
SW059	08 Mar 2017	DD2_AS_080317_1200	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.67*		0.34		1.01	
SW059	08 Mar 2017	DD2_AS_080317_1215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01		*0.71*		0.32		1.03	
SW059	08 Mar 2017	DD2_AS_080317_1230	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.8*		0.42		1.22	
SW059	08 Mar 2017	DD2_AS_080317_1245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.85*		0.46		1.31	
SW059	08 Mar 2017	DD2_AS_080317_1300	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01		*0.64*		0.33		0.97	
SW059	08 Mar 2017	DD2_AS_080317_1315	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01		*0.6*		0.31		0.91	
SW059	08 Mar 2017	DD2_AS_080317_1330	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01		*0.64*		0.33		0.97	
SW059	08 Mar 2017	DD2_AS_080317_1345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.78*		0.43		1.21	
SW059	08 Mar 2017	DD2_AS_080317_1400	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.75*		0.42		1.17	
SW059	08 Mar 2017	DD2_AS_080317_1415	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.68*		0.36		1.04	
SW059	08 Mar 2017	DD2_AS_080317_1430	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.62*		0.33		0.95	
SW059	09 Mar 2017	DD2_SW_090317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01		*0.34*		0.58		0.92	
SW059	16 Mar 2017	DD2_SW_20170316	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.01		*0.26*		1.22		1.48	
SW059	20 Mar 2017	DD2_AS_200317_0245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04		*0.7*		1.51		**2.21**	
SW059	20 Mar 2017	DD2_AS_220317_0300	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.67*		1.46		**2.13**	
SW059	20 Mar 2017	DD2_AS_220317_0945	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.65*		1.31		1.96	
SW059	20 Mar 2017	DD2_AS_220317_1000	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.59*		1.35		1.94	
SW059	20 Mar 2017	DD2_AS_220317_1015	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.62*		1.32		1.94	
SW059	20 Mar 2017	DD2_AS_220317_1030	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.52*		1.31		1.83	
SW059	20 Mar 2017	DD2_AS_220317_1045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.61*		1.36		1.97	
SW059	20 Mar 2017	DD2_AS_220317_1100	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.54*		1.38		1.92	
SW059	20 Mar 2017	DD2_AS_220317_1115	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.52*		1.37		1.89	
SW059	20 Mar 2017	DD2_AS_220317_1145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.58*		1.34		1.92	
SW059	20 Mar 2017	DD2_AS_220317_1215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.61*		1.36		1.97	
SW059	20 Mar 2017	DD2_AS_220317_1245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.58*		1.4		1.98	
SW059	20 Mar 2017	DD2_AS_220317_1315	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.67*		1.37		**2.04**	
SW059	21 Mar 2017	DD2_AS_210317_2130	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.57*		1.41		1.98	
SW059	21 Mar 2017	DD2_AS_210317_2145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04		*0.64*		1.54		**2.18**	
SW059	21 Mar 2017	DD2_AS_210317_2200	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.59*		1.45		**2.04**	
SW059	21 Mar 2017	DD2_AS_210317_2215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04		*0.66*		1.5		**2.16**	

Table E2 - Historical Surface Water Analytical Results and Deviations

								PFAS Results and Deviations							
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L		µg/L	
LOR								0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water								**10**						**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**									
SW059	21 Mar 2017	DD2_AS_210317_2230	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.56*		1.46		**2.02**	
SW059	21 Mar 2017	DD2_AS_210317_2245	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.6*		1.41		**2.01**	
SW059	21 Mar 2017	DD2_AS_210317_2300	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.61*		1.4		**2.01**	
SW059	21 Mar 2017	DD2_AS_210317_2315	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.63*		1.35		1.98	
SW059	21 Mar 2017	DD2_AS_210317_2330	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.71*		1.53		**2.24**	
SW059	21 Mar 2017	DD2_AS_210317_2345	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04		*0.68*		1.62		**2.3**	
SW059	22 Mar 2017	DD2_AS_220317_0015	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.66*		1.56		**2.22**	
SW059	22 Mar 2017	DD2_AS_220317_0045	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04		*0.66*		1.59		**2.25**	
SW059	22 Mar 2017	DD2_AS_220317_0115	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.58*		1.48		**2.06**	
SW059	22 Mar 2017	DD2_AS_220317_0145	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.64*		1.45		**2.09**	
SW059	22 Mar 2017	DD2_AS_220317_0215	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.63*		1.47		**2.1**	
SW059	23 Mar 2017	DD2_SW_23032017	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.64*		1.48		**2.12**	
SW059	31 Mar 2017	DD2_SW_310317	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.48*		0.63		1.11	
SW059	05 Apr 2017	DD2_SW_050417	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.03		*0.45*		1.67		**2.12**	
SW059	04 May 2017	DD2_SW_040517	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.12		*1.82*		3.26		**5.08**	
SW059	01 Jun 2017	DD2_SW_010617	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.07		*0.96*		2.94		**3.9**	
SW059	20 Jul 2017	DD2_SW_200717	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.05		*1.08*		1.4		**2.48**	
SW059	12 Apr 2018	DD2_SW_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.04		*0.81*		1.14		1.95	
SW059	06 Dec 2018	0908_DD2_SW_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.1		*0.91*		2.29		**3.2**	
SW059	13 Jun 2019	0908_DD2_SW_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	Region 3	0.02		*0.14*		1.26		1.4	
SW059	05 Nov 2019	0908_DD2_SW_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.29*		1.49		**2.78**	
SW059	04 Jun 2020	0908_SW059_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12		*0.85*		4.87		**5.72**	
SW059	13 Nov 2020	0908_SW059_201113	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.31*		1.19		**2.5**	
SW059	18 Dec 2020	0908_SW059_201218	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08		*0.87*		1.96		**2.83**	
SW059	22 Dec 2020	0908_SW059_2012220200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.72*		1.3		**2.02**	
SW059	22 Dec 2020	0908_SW059_2012220300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.55*		1.2		1.75	
SW059	22 Dec 2020	0908_SW059_2012220400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.72*		1.36		**2.08**	
SW059	22 Dec 2020	0908_SW059_2012220500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*0.8*		1.5		**2.3**	
SW059	22 Dec 2020	0908_SW059_2012220600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.62*		1.42		**2.04**	
SW059	22 Dec 2020	0908_SW059_2012220700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*0.91*		1.76		**2.67**	
SW059	22 Dec 2020	0908_SW059_2012220800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*0.84*		1.78		**2.62**	
SW059	22 Dec 2020	0908_SW059_2012220900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07		*0.92*		1.91		**2.83**	
SW059	22 Dec 2020	0908_SW059_2012221000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07		*0.81*		2.04		**2.85**	
SW059	22 Dec 2020	0908_SW059_2012221100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07		*0.77*		2.04		**2.81**	
SW059	22 Dec 2020	0908_SW059_2012221200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08		*0.95*		2.17		**3.12**	
SW059	22 Dec 2020	0908_SW059_2012221300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08		*0.95*		2.23		**3.18**	
SW059	22 Dec 2020	0908_SW059_2012221400	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.09		*1.07*		2.56		**3.63**	
SW059	22 Dec 2020	0908_SW059_2012221500	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08		*1*		2.19		**3.19**	
SW059	22 Dec 2020	0908_SW059_2012221600	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.75*		1.5		**2.25**	
SW059	22 Dec 2020	0908_SW059_2012221700	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.71*		1.37		**2.08**	
SW059	22 Dec 2020	0908_SW059_2012221800	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.57*		1.17		1.74	
SW059	22 Dec 2020	0908_SW059_2012221900	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03		*0.63*		1.19		1.82	
SW059	22 Dec 2020	0908_SW059_2012222000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.55*		1.03		1.58	
SW059	22 Dec 2020	0908_SW059_2012222100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03		*0.55*		0.99		1.54	
SW059	22 Dec 2020	0908_SW059_2012222200	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.61*		1.16		1.77	
SW059	22 Dec 2020	0908_SW059_2012222300	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.02		*0.53*		0.97		1.5	
SW059	23 Dec 2020	0908_SW059_2012230000	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03		*0.52*		0.97		1.49	
SW059	23 Dec 2020	0908_SW059_2012230100	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.03		*0.66*		1.2		1.86	
SW059	28 Jan 2021	0908_SW059_2101281630	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*0.96*		1.59		**2.55**	
SW059	28 Jan 2021	0908_SW059_2101281730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*0.86*		1.33		**2.19**	
SW059	28 Jan 2021	0908_SW059_2101281830	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.74*		1.2		1.94	
SW059	28 Jan 2021	0908_SW059_2101281930	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.78*		1.17		1.95	
SW059	28 Jan 2021	0908_SW059_2101282030	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.97*		1.29		**2.26**	
SW059	28 Jan 2021	0908_SW059_2101282130	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.89*		1.09		1.98	
SW059	28 Jan 2021	0908_SW059_2101282230	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*1.07*		1.27		**2.34**	
SW059	28 Jan 2021	0908_SW059_2101282330	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*1.12*		1.31		**2.43**	
SW059	28 Jan 2021	0908_QC105_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*0.83*		1.39		**2.22**	
SW059	28 Jan 2021	0908_QC106_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.82*		1.25		**2.07**	
SW059	28 Jan 2021	0908_QC107_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.85*		1.17		**2.02**	
SW059	28 Jan 2021	0908_QC108_210128	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.96*		1.22		**2.18**	
SW059	28 Jan 2021	0908_QC205_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.042		*0.66*		1.1		1.76	
SW059	28 Jan 2021	0908_QC206_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.039		*0.66*		1		1.66	
SW059	28 Jan 2021	0908_QC207_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.038		*0.77*		0.97		1.74	
SW059	28 Jan 2021	0908_QC208_210128	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.89*		1.1		1.99	
SW059	29 Jan 2021	0908_SW059_210129	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.11		*1.62*		2.46		**4.08**	
SW059	29 Jan 2021	0908_SW059_2101290030	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.12*		1.47		**2.59**	
SW059	29 Jan 2021	0908_SW059_2101290130	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07		*1.24*		1.6		**2.84**	
SW059	29 Jan 2021	0908_SW059_2101290230	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.13*		1.48		**2.61**	
SW059	29 Jan 2021	0908_SW059_2101290330	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08		*1.27*		1.8		**3.07**	
SW059	29 Jan 2021	0908_SW059_2101290430	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.08		*1.23*		1.82		**3.05**	
SW059	29 Jan 2021	0908_SW059_2101290530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.09		*1.44*		2.11		**3.55**	
SW059	29 Jan 2021	0908_SW059_2101290630	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.10		*1.44*		2.37		**3.81**	
SW059	29 Jan 2021	0908_SW059_2101290730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12		*1.37*		2.91		**4.28**	
SW059	29 Jan 2021	0908_SW059_2101290830	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12		*1.42*		2.71		**4.13**	
SW059	29 Jan 2021	0908_SW059_2101290930	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13		*1.52*		2.94		**4.46**	
SW059	29 Jan 2021	0908_SW059_2101291030	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.14		*1.57*		3.04		**4.61**	
SW059	29 Jan 2021	0908_SW059_2101291130	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.14		*1.48*		2.94		**4.42**	
SW059	29 Jan 2021	0908_SW059_2101291230	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13		*1.48*		2.98		**4.46**	
SW059	29 Jan 2021	0908_SW059_2101291330	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13		*1.53*		2.76		**4.29**	
SW059	29 Jan 2021	0908_SW059_2101291430	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13		*1.76*		2.83		**4.59**	
SW059	29 Jan 2021	0908_SW059_2101291530	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13		*1.68*		2.83		**4.51**	
SW059	19 Feb 2021	0908_SW059_210219	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.10		*2.51*		1.92		**4.43**	
SW059	26 Mar 2021	0908_SW059_210326	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.68*		0.63		1.31	
SW059	27 Apr 2021	0908_SW059_210427	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.26*		0.94		**2.2**	
SW059	11 May 2021	0908_SW059_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.28*		0.94		**2.22**	
SW059	25 Jun 2021	0908_SW059_210625	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07		*1.08*		1.29		**2.37**	
SW059	30 Jul 2021	0908_SW059_210730	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.02*		1.03		**2.05**	
SW059	20 Aug 2021	0908_SW059_210820	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.13		*1.76*		2.14		**3.9**	
SW059	20 Aug 2021	0908_QC100_210820	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.12		*1.69*		1.81		**3.5**	
SW059	20 Aug 2021	0908_QC200_210820	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.047		*0.51*		0.96		1.47	
SW059	27 Sep 2021	0908_SW059_210927	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*0.88*		1.07		1.95	
SW059	25 Oct 2021	0908_SW059_211025	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.16		*2.32*		1.78		**4.1**	
SW059	15 Nov 2021	0908_SW059_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07		*1.18*		1.16		**2.34**	
SW059	17 May 2022	0908_SW059_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.76*		0.74		1.5	
SW059	17 May 2022	0908_QC103_220517	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.04		*0.8*		0.73		1.53	
SW059	17 May 2022	0908_QC203_220517	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.05		*0.72*		0.75		1.5	
SW059	09 Nov 2022	0908_SW059_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.07		*1.17*		0.88		**2.05**	
SW059	16 May 2023	0908_SW059_230516	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.13		*2.14*		2.35		**4.49**	
SW059	23 Nov 2023	0908_SW059_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.04		*0.64*		0.88		1.52	
SW059	16 Apr 2024	0908_SW059_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.06		*0.91*		1.59		**2.5**	
SW059	23 Sep 2024	0908_SW059_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.10		*1.7*		1.5		**3.2**	
SW059	23 Sep 2024	0908_QC103_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.11		*1.51*		1.56		**3.07**	
SW059	23 Sep 2024	0908_QC203_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.10		*1.5*		1.7		**3.3**	
SW600	25 Nov 2022	0908_SW600_221125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	Region 3	0.06		*1.42*		0.69		**2.11**	
SW600	15 May 2023	0908_SW600_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.06		*1.36*		1.24		**2.6**	
SW600	27 Nov 2023	0908_SW600_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	Region 3	0.02		*0.40*		0.28		0.68	
SW600	22 Apr 2024	0908_SW600_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.06		*1.30*		1.35		**2.65**	New Maximum
SW600	19 Sep 2024	0908_SW600_240919	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	Region 3	0.09	New Maximum	*1.76*	New Maximum	1.01		**2.77**	New Maximum
SW005	18 Jun 2014	MD5_WATER	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.01		*0.03*		0.15		0.18	
SW005	25 Jan 2016	MD5_SW_2512016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.04*		-		0.04	
SW005	20 Dec 2016	MD5_SW_161220	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.02*		<0.02		0.02	
SW005	02 Feb 2017	MD5_SW_020217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05		<0.05		<0.1		<0.05	
SW005	09 Feb 2017	MD5_SW_090217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05		*0.12*		0.14		0.26	
SW005	16 Feb 2017	MD5_SW_16022017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05		*0.05*		<0.05		0.05	
SW005	24 Feb 2017	MD5_SW_240217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05		<0.05		<0.05		<0.05	
SW005	02 Mar 2017	MD5_SW_020317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05		<0.05		<0.05		<0.05	
SW005	09 Mar 2017	MD5_SW_090317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05		*0.05*		<0.05		0.05	
SW005	17 Mar 2017	MD5_SW_20170317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.05		<0.05		<0.05		<0.05	
SW005	23 Mar 2017	MD5_SW_23032017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.17*		0.08		0.25	
SW005	30 Mar 2017	MD5_SW_300317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		<0.01		<0.02		<0.01	

Table E2 - Historical Surface Water Analytical Results and Deviations

								PFAS Results and Deviations							
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L		µg/L	
LOR								0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water								**10**						**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**									
SW005	06 Apr 2017	MD5_SW_060417	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.03		*0.84*		0.38		1.22	
SW005	04 May 2017	MD5_SW_040517	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.05		*1.94*		0.92		**2.86**	
SW005	01 Jun 2017	MD5_SW_010617	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.33*		0.22		0.55	
SW005	20 Jul 2017	MD5_SW_200717	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.03		*1.21*		0.52		1.73	
SW005	20 Jul 2017	QC418_SW_200717	Field_D	NSW_0908_PFAS	Broader Management Zone	Region 1	0.03		*1.21*		0.54		1.75	
SW005	20 Jul 2017	QC518_SW_200717	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Region 1	0.034		*1.4*		0.5		1.9	
SW005	12 Apr 2018	MD5_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.08*		<0.02		0.1	
SW005	12 Apr 2018	MD5_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	-		-		-		0.08	
SW005	06 Dec 2018	0908_MD5_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		<0.01		<0.02		<0.01	
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.01*		<0.02		0.01	
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	-		-		-		0.03	
SW005	06 Nov 2019	0908_MD5_SW_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.04*		<0.02		0.04	
SW005	04 Jun 2020	0908_SW005_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.84*		0.43		1.27	
SW005	20 Nov 2020	0908_SW005_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.07		*3.41*		0.81		**4.22**	
SW005	18 Dec 2020	0908_SW005_201218	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.29*		0.07		0.36	
SW005	22 Dec 2020	0908_SW005_2012220520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03		*1.35*		0.4		1.75	
SW005	22 Dec 2020	0908_SW005_2012220620	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.25*		0.37		1.62	
SW005	22 Dec 2020	0908_SW005_2012220720	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.97*		0.25		1.22	
SW005	22 Dec 2020	0908_SW005_2012220820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.88*		0.24		1.12	
SW005	22 Dec 2020	0908_SW005_2012220920	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.84*		0.23		1.07	
SW005	22 Dec 2020	0908_SW005_2012221020	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.93*		0.24		1.17	
SW005	22 Dec 2020	0908_SW005_2012221120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.85*		0.22		1.07	
SW005	22 Dec 2020	0908_SW005_2012221220	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.9*		0.23		1.13	
SW005	22 Dec 2020	0908_SW005_2012221320	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.94*		0.21		1.15	
SW005	22 Dec 2020	0908_SW005_2012221420	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.89*		0.21		1.1	
SW005	22 Dec 2020	0908_SW005_2012221520	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.93*		0.21		1.14	
SW005	22 Dec 2020	0908_SW005_2012221620	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.99*		0.22		1.21	
SW005	22 Dec 2020	0908_SW005_2012221720	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.07*		0.22		1.29	
SW005	22 Dec 2020	0908_SW005_2012221820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.06*		0.22		1.28	
SW005	22 Dec 2020	0908_SW005_2012221920	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03		*1.23*		0.31		1.54	
SW005	22 Dec 2020	0908_SW005_2012222020	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.97*		0.23		1.2	
SW005	22 Dec 2020	0908_SW005_2012222120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.84*		0.23		1.07	
SW005	22 Dec 2020	0908_SW005_2012222220	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.9*		0.25		1.15	
SW005	22 Dec 2020	0908_SW005_2012222320	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.91*		0.24		1.15	
SW005	23 Dec 2020	0908_SW005_2012230020	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.96*		0.25		1.21	
SW005	23 Dec 2020	0908_SW005_2012230120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.96*		0.26		1.22	
SW005	23 Dec 2020	0908_SW005_2012230220	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.33*		0.35		1.68	
SW005	23 Dec 2020	0908_SW005_2012230320	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03		*1.42*		0.37		1.79	
SW005	23 Dec 2020	0908_SW005_2012230420	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.12*		0.32		1.44	
SW005	29 Jan 2021	0908_SW005_210129	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.07*		0.28		1.35	
SW005	29 Jan 2021	0908_SW005_2101291240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.06*		0.23		1.29	
SW005	29 Jan 2021	0908_SW005_2101291340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.05*		0.23		1.28	
SW005	29 Jan 2021	0908_SW005_2101291440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.97*		0.21		1.18	
SW005	29 Jan 2021	0908_SW005_2101291540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.08*		0.24		1.32	
SW005	29 Jan 2021	0908_SW005_2101291640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.04*		0.21		1.25	
SW005	29 Jan 2021	0908_SW005_2101291740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.06*		0.23		1.29	
SW005	29 Jan 2021	0908_SW005_2101291840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.92*		0.2		1.12	
SW005	29 Jan 2021	0908_SW005_2101291940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.99*		0.22		1.21	
SW005	29 Jan 2021	0908_SW005_2101292040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.95*		0.21		1.16	
SW005	29 Jan 2021	0908_SW005_2101292140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.94*		0.2		1.14	
SW005	29 Jan 2021	0908_SW005_2101292240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.87*		0.2		1.07	
SW005	29 Jan 2021	0908_SW005_2101292340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.96*		0.21		1.17	
SW005	29 Jan 2021	0908_QC101_210129	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.12*		0.24		1.36	
SW005	29 Jan 2021	0908_QC201_210129	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.013		*0.93*		0.19		1.12	
SW005	30 Jan 2021	0908_SW005_2101300040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.95*		0.21		1.16	
SW005	30 Jan 2021	0908_SW005_2101300140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.01		*0.95*		0.21		1.16	
SW005	30 Jan 2021	0908_SW005_2101300240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.05*		0.22		1.27	
SW005	30 Jan 2021	0908_SW005_2101300340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.22*		0.3		1.52	
SW005	30 Jan 2021	0908_SW005_2101300440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.27*		0.28		1.55	
SW005	30 Jan 2021	0908_SW005_2101300540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.19*		0.26		1.45	
SW005	30 Jan 2021	0908_SW005_2101300640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.14*		0.25		1.39	
SW005	30 Jan 2021	0908_SW005_2101300740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.03*		0.22		1.25	
SW005	30 Jan 2021	0908_SW005_2101300840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.07*		0.23		1.3	
SW005	30 Jan 2021	0908_SW005_2101300940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.08*		0.22		1.3	
SW005	30 Jan 2021	0908_SW005_2101301040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.03*		0.22		1.25	
SW005	30 Jan 2021	0908_SW005_2101301140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.05*		0.22		1.27	
SW005	19 Feb 2021	0908_SW005_210219	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.36*		0.34		1.7	
SW005	19 Feb 2021	0908_QC100_210219	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03		*1.56*		0.37		1.93	
SW005	19 Feb 2021	0908_QC200_210219	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.024		*1.1*		0.26		1.36	
SW005	26 Mar 2021	0908_SW005_210326	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.01		*0.38*		0.14		0.52	
SW005	23 Apr 2021	0908_SW005_210423	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.04		*1.35*		0.53		1.88	
SW005	11 May 2021	0908_SW005_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.58*		0.23		0.81	
SW005	25 Jun 2021	0908_SW005_210625	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.41*		0.14		0.55	
SW005	30 Jul 2021	0908_SW005_210730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03		*1.32*		0.43		1.75	
SW005	20 Aug 2021	0908_SW005_210820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.81*		0.3		1.11	
SW005	27 Sep 2021	0908_SW005_210927	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.87*		0.23		1.1	
SW005	25 Oct 2021	0908_SW005_211025	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.15*		0.06		0.21	
SW005	17 Nov 2021	0908_SW005_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.71*		0.29		1	
SW005	18 May 2022	0908_SW005_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.68*		0.25		1.93	
SW005	08 Nov 2022	0908_SW005_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.24*		0.09		0.33	
SW005	08 Nov 2022	0908_QC108_221108	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.24*		0.12		0.36	
SW005	08 Nov 2022	0908_QC208_221108	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.17*		0.09		0.27	
SW005	09 May 2023	0908_SW005_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01		*0.37*		0.09		0.46	
SW005	09 May 2023	0908_QC111_230509	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01		*0.22*		0.09		0.31	
SW005	09 May 2023	0908_QC211_230509	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01		*0.25*		0.11		0.36	
SW005	21 Nov 2023	0908_SW005_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01		*0.04*		<0.01		0.04	
SW005	16 Apr 2024	0908_SW005_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.01		*0.66*		0.16		0.82	
SW005	16 Apr 2024	0908_QC103_240416	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.01		*0.8*		0.16		0.96	
SW005	16 Apr 2024	0908_QC203_240416	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02		*0.86*		0.21		1.1	
SW005	27 Sep 2024	0908_SW005_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02		*0.54*		0.22		0.76	
SW014	20 Dec 2016	MD14_SW_161220	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.02*		<0.02		0.02	
SW014	18 Apr 2018	MD14_SW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		*0.14*		<0.02		0.16	
SW014	18 Apr 2018	MD14_SW_18042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	-		-		-		0.14	
SW014	06 Dec 2018	0908_MD14_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	0.02		*0.45*		0.21		0.66	
SW014	13 Jun 2019	0908_MD14_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		<0.01		<0.02		<0.01	
SW014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		<0.01		<0.02		<0.01	
SW014	13 Jun 2019	0908_QC220_190613	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Region 1	<0.01		<0.02		0.011		0.031	
SW014	05 Nov 2019	0908_MD14_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	<0.01		*0.05*		<0.02		0.05	
SW014	04 Jun 2020	0908_SW014_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.03		*1.32*		0.62		1.94	
SW014	26 Nov 2020	0908_SW014_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.06		*3.24*		0.77		**4.01**	
SW014	26 Nov 2020	0908_QC110_201126	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.06		*2.93*		0.79		**3.72**	
SW014	26 Nov 2020	0908_QC210_201126	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.053		*2.5*		0.74		**3.24**	
SW014	11 May 2021	0908_SW014_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.01		*0.61*		0.2		0.81	
SW014	17 Nov 2021	0908_SW014_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.91*		0.34		1.25	
SW014	16 May 2022	0908_SW014_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1*		0.22		1.22	
SW014	16 May 2022	0908_QC201_220516	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*0.96*		0.22		1.2	
SW014	07 Nov 2022	0908_SW014_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 1	0.02		*1.14*		0.26		1.4	
SW014	09 May 2023	0908_SW014_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	0.03		*1.47*		0.39		1.86	
SW014	09 May 2023	0908_QC107_230509	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	0.03		*1.36*		0.42		1.78	
SW014	21 Nov 2023	0908_SW014_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 1	<0.01		*0.03*		<0.01		0.03	
SW014	16 Apr 2024	0908_SW014_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02		*1.23*		0.32		1.55	
SW014	27 Sep 2024	0908_SW014_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 1	0.02		*0.6*		0.23		0.83	
SW024	21 Jan 2016	TC7_SW_21012016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.01		*0.39*		-		0.39	
SW024	14 Dec 2016	TC7_SW_20161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.05		*0.08*		0.1		0.18	
SW024	06 Dec 2018	0908_TC7_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.01		<0.01		<0.02		<0.01	
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	<0.01		*0.02*		<0.02		0.02	
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 2	-		-		-		0.04	
SW024	05 Nov 2019	0908_TC7_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.05		<0.05		<0.05		<0.05	
SW024	04 Jun 2020	0908_SW024_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01		*0.1*		0.17		0.27	
SW024	20 Nov 2020	0908_SW024_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01		*0.32*		0.32		0.64	

Table E2 - Historical Surface Water Analytical Results and Deviations

								PFAS Results and Deviations							
								PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
								µg/L		µg/L		µg/L		µg/L	
LOR								0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water								**10**						**2**	
PFAS NEMP 2020 Freshwater 99%								*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**									
SW024	18 Dec 2020	0908_SW024_201218	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.05		0.13	
SW024	22 Dec 2020	0908_SW024_2012220740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.05		0.13	
SW024	22 Dec 2020	0908_SW024_2012220840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.11*		0.07		0.18	
SW024	22 Dec 2020	0908_SW024_2012220940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.11*		0.09		0.2	
SW024	22 Dec 2020	0908_SW024_2012221040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.1*		0.07		0.17	
SW024	22 Dec 2020	0908_SW024_2012221140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.06		0.13	
SW024	22 Dec 2020	0908_SW024_2012221240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.12*		0.09		0.21	
SW024	22 Dec 2020	0908_SW024_2012221340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.12*		0.08		0.2	
SW024	22 Dec 2020	0908_SW024_2012221440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.09*		0.06		0.15	
SW024	22 Dec 2020	0908_SW024_2012221540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.09*		0.06		0.15	
SW024	22 Dec 2020	0908_SW024_2012221640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.09*		0.07		0.16	
SW024	22 Dec 2020	0908_SW024_2012221740	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.09*		0.08		0.17	
SW024	22 Dec 2020	0908_SW024_2012221840	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.1*		0.08		0.18	
SW024	22 Dec 2020	0908_SW024_2012221940	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.09*		0.07		0.16	
SW024	22 Dec 2020	0908_SW024_2012222040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.05*		0.03		0.08	
SW024	22 Dec 2020	0908_SW024_2012222140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.05*		0.04		0.09	
SW024	22 Dec 2020	0908_SW024_2012222240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.05		0.12	
SW024	22 Dec 2020	0908_SW024_2012222340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.05*		0.04		0.09	
SW024	23 Dec 2020	0908_SW024_2012230040	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.04		0.1	
SW024	23 Dec 2020	0908_SW024_2012230140	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.04		0.1	
SW024	23 Dec 2020	0908_SW024_2012230240	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.04		0.1	
SW024	23 Dec 2020	0908_SW024_2012230340	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.05		0.11	
SW024	23 Dec 2020	0908_SW024_2012230440	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.05		0.11	
SW024	23 Dec 2020	0908_SW024_2012230540	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.04		0.1	
SW024	23 Dec 2020	0908_SW024_2012230640	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.05		0.12	
SW024	29 Jan 2021	0908_SW024_210129	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.11		0.18	
SW024	29 Jan 2021	0908_SW024_2101291630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.09		0.16	
SW024	29 Jan 2021	0908_SW024_2101291730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.05*		0.09		0.14	
SW024	29 Jan 2021	0908_SW024_2101291830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.1		0.17	
SW024	29 Jan 2021	0908_SW024_2101291930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.1		0.16	
SW024	29 Jan 2021	0908_SW024_2101292030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.1		0.16	
SW024	29 Jan 2021	0908_SW024_2101292130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.1		0.17	
SW024	29 Jan 2021	0908_SW024_2101292230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.1		0.16	
SW024	29 Jan 2021	0908_SW024_2101292330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.1		0.16	
SW024	29 Jan 2021	0908_QC100_210129	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.1		0.18	
SW024	29 Jan 2021	0908_QC200_210129	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.047*		0.079		0.126	
SW024	30 Jan 2021	0908_SW024_2101300030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.06*		0.09		0.15	
SW024	30 Jan 2021	0908_SW024_2101300130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.1		0.17	
SW024	30 Jan 2021	0908_SW024_2101300230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.1		0.17	
SW024	30 Jan 2021	0908_SW024_2101300330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.11		0.19	
SW024	30 Jan 2021	0908_SW024_2101300430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.04*		0.04		0.08	
SW024	30 Jan 2021	0908_SW024_2101300530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.11*		0.14		0.25	
SW024	30 Jan 2021	0908_SW024_2101300630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.12		0.2	
SW024	30 Jan 2021	0908_SW024_2101300730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.11		0.18	
SW024	30 Jan 2021	0908_SW024_2101300830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.11		0.19	
SW024	30 Jan 2021	0908_SW024_2101300930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.11		0.19	
SW024	30 Jan 2021	0908_SW024_2101301030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.11		0.19	
SW024	30 Jan 2021	0908_SW024_2101301130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.11		0.18	
SW024	30 Jan 2021	0908_SW024_2101301230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.1*		0.15		0.25	
SW024	30 Jan 2021	0908_SW024_2101301330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.08*		0.11		0.19	
SW024	30 Jan 2021	0908_SW024_2101301430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.1*		0.14		0.24	
SW024	30 Jan 2021	0908_SW024_2101301530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.11		0.18	
SW024	19 Feb 2021	0908_SW024_210219	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.16*		0.2		0.36	
SW024	26 Mar 2021	0908_SW024_210326	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.21*		0.12		0.33	
SW024	23 Apr 2021	0908_SW024_210423	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.02		*0.28*		0.3		0.58	
SW024	11 May 2021	0908_SW024_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.02		*0.24*		0.31		0.55	
SW024	25 Jun 2021	0908_SW024_210625	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.14*		0.18		0.32	
SW024	30 Jul 2021	0908_SW024_210730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01		*0.2*		0.24		0.44	
SW024	20 Aug 2021	0908_SW024_210820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.09*		0.07		0.16	
SW024	27 Sep 2021	0908_SW024_210927	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*1.32*		0.15		1.47	
SW024	25 Oct 2021	0908_SW024_211025	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.13*		0.08		0.21	
SW024	17 Nov 2021	0908_SW024_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.1*		0.12		0.22	
SW024	17 Nov 2021	0908_QC210_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.07*		0.12		0.19	
SW024	16 May 2022	0908_SW024_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	0.01		*0.24*		0.23		0.47	
SW024	08 Nov 2022	0908_SW024_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 2	<0.01		*0.27*		0.12		0.39	
SW024	09 May 2023	0908_SW024_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 2	<0.01		*0.06*		0.05		0.11	
SW024	20 Nov 2023	0908_SW024_231120	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 2	<0.01		*0.03*		0.03		0.06	
SW024	16 Apr 2024	0908_SW024_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 2	<0.01		*0.05*		0.04		0.09	
SW024	27 Sep 2024	0908_SW024_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 2	<0.01		*0.05*		0.05		0.1	
SW062	17 Jun 2014	DD5_WATER	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.11*		0.41		0.52	
SW062	13 Jan 2016	DD5_SW_1312016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.002		*0.088*		-		0.088	
SW062	14 Dec 2016	DD5_SW_161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05		*0.76*		0.8		1.56	
SW062	12 Apr 2018	DD5_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.09		*2.69*		1.21		**3.9**	
SW062	07 Dec 2018	0908_DD5_SW_181207	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.1		*2.64*		1.35		**3.99**	
SW062	07 Dec 2018	0908_QC110_SW_181207	Field_D	NSW_0908_PFAS	Broader Management Zone	Region 3	0.1		*2.35*		1.17		**3.52**	
SW062	07 Dec 2018	0908_QC205_SW_181207	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Region 3	0.07		*2*		1.1		**3.1**	
SW062	13 Jun 2019	0908_DD5_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.03		*1.07*		0.53		1.6	
SW062	06 Nov 2019	0908_DD5_SW_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.06		*1.4*		0.78		**2.18**	
SW062	02 Jun 2020	0908_SW062_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.12		*2.63*		1.96		**4.59**	
SW062	20 Nov 2020	0908_SW062_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.12*		0.15		0.27	
SW062	11 May 2021	0908_SW062_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.09		*2.32*		1.47		**3.79**	
SW062	17 Nov 2021	0908_SW062_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.08*		0.13		0.21	
SW062	17 Nov 2021	0908_QC211_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.05*		0.12		0.17	
SW062	16 May 2022	0908_SW062_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.12*		0.22		0.34	
SW062	07 Nov 2022	0908_SW062_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.13*		0.08		0.21	
SW062	11 May 2023	0908_SW062_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01		*0.12*		0.21		0.33	
SW062	23 Nov 2023	0908_SW062_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	0.52		*10*		8.46		**18.5**	
SW062	22 Apr 2024	0908_SW062_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	0.03		*0.82*		0.72		1.54	
SW062	20 Sep 2024	0908_SW062_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	0.03		*0.6*		0.51		1.11	
SW079	14 Jan 2016	TC2_SW_1412016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.008		*0.11*		-		0.11	
SW079	14 Dec 2016	TC2_SW_161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.03		*0.52*		0.88		1.4	
SW079	02 Feb 2017	TC2_SW_020217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05		*1.34*		0.35		1.69	
SW079	09 Feb 2017	TC2_SW_090217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05		*0.4*		0.78		1.18	
SW079	16 Feb 2017	TC2_SW_16022017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05		*0.22*		0.38		0.6	
SW079	24 Feb 2017	TC2_SW_240217	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05		*0.26*		0.36		0.62	
SW079	03 Mar 2017	TC2_SW_030317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.05		*0.44*		0.32		0.76	
SW079	09 Mar 2017	TC2_SW_090317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.12*		0.06		0.18	
SW079	16 Mar 2017	TC2_SW_20170316	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.06*		0.04		0.1	
SW079	23 Mar 2017	TC2_SW_23032017	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.17*		0.49		0.66	
SW079	30 Mar 2017	TC2_SW_300317	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.21*		0.52		0.73	
SW079	05 Apr 2017	TC2_SW_050417	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.02		*0.15*		0.65		0.8	
SW079	04 May 2017	TC2_SW_040517	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.18*		0.53		0.71	
SW079	01 Jun 2017	TC2_SW_010617	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.24*		0.61		0.85	
SW079	20 Jul 2017	TC2_SW_200717	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.15*		0.5		0.65	
SW079	12 Apr 2018	TC2_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.02		*0.29*		0.49		0.78	
SW079	06 Dec 2018	0908_TC2_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	0.02		*0.53*		0.38		0.91	
SW079	13 Jun 2019	0908_TC2_SW_190613	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01		*0.22*		0.25		0.47	
SW079	05 Nov 2019	0908_TC2_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.05*		<0.02		0.05	
SW079	02 Jun 2020	0908_SW079_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.12*		0.5		0.62	
SW079	26 Nov 2020	0908_SW079_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.28*		0.24		0.52	
SW079	11 May 2021	0908_SW079_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.01		*0.21*		0.32		0.53	
SW079	12 Nov 2021	0908_SW079_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.23*		0.17		0.4	
SW079	16 May 2022	0908_SW079_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	0.01		*0.4*		0.37		0.77	
SW079	07 Nov 2022	0908_SW079_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01		*0.35*		0.19		0.54	
SW079	09 May 2023	0908_SW079_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01		*0.21*		0.27		0.48	
SW079	21 Nov 2023	0908_SW079_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	0.02		*0.46*		0.33		0.79	
SW079	21 Nov 2023	0908_QC102_231121	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01		*0.02*		0.02		0.04	
SW079	21 Nov 2023	0908_QC202_231121	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01		<0.01		0.01		0.01	
SW079	16 Apr 2024	0908_SW079_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	0.01		*0.23*		0.51		0.74	
SW079	25 Sep 2024	0908_SW079_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	<0.01		*0.15*		0.28		0.43	

Table E2 - Historical Surface Water Analytical Results and Deviations

										PFAS Results and Deviations							
										PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFHxS	PFHxS Deviations *(only for surface water EPC for 95th percentile)*	PFOS+ PFHxS	PFOS+PFHxS Deviations
										µg/L		µg/L		µg/L		µg/L	
LOR										0.002		0.002		0.002		0.01	
PFAS NEMP 2020 Recreational Water										**10**						**2**	
PFAS NEMP 2020 Freshwater 99%										*19*		*0.00023*					
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**	**Region**											
SW081	13 Jan 2016	TFD1_SW_1312016	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.002			*0.007*		-		0.007			
SW081	14 Dec 2016	TFD1_SW_161214	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01			*0.02*		<0.02		0.02			
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01			*0.04*		<0.02		0.06			
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	-			-		-		0.04			
SW081	06 Dec 2018	0908_TFD1_SW_181206	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01			<0.01		<0.02		<0.01			
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	<0.01			*0.1*		<0.02		0.1			
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	NSW_0908_PFAS	Broader Management Zone	Region 3	-			-		-		0.12			
SW081	05 Nov 2019	0908_TFD1_SW_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			*0.04*		<0.02		0.04			
SW081	05 Nov 2019	0908_QC105_191105	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			*0.04*		<0.02		0.04			
SW081	05 Nov 2019	0908_QC205_191105	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			*0.031*		0.016		0.047			
SW081	02 Jun 2020	0908_SW081_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			*0.04*		<0.02		0.04			
SW081	12 Nov 2020	0908_SW081_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			*0.03*		0.03		0.06			
SW081	11 May 2021	0908_SW081_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			<0.01		<0.02		<0.01			
SW081	30 Nov 2021	0908_SW081_211130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			<0.01		<0.01		<0.01			
SW081	16 May 2022	0908_SW081_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			<0.01		<0.01		<0.01			
SW081	08 Nov 2022	0908_SW081_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Region 3	<0.01			<0.01		<0.01		<0.01			
SW081	11 May 2023	0908_SW081_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01			<0.01		<0.01		<0.01			
SW081	23 Nov 2023	0908_SW081_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Region 3	<0.01			*0.02*		0.02		0.04			
SW081	23 Apr 2024	0908_SW081_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	<0.01			*0.05*		0.11		0.16		New Maximum	
SW081	20 Sep 2024	0908_SW081_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Region 3	<0.01			*0.02*		<0.01		0.02			
SW259	17 Feb 2017	FCD4_SW_17022017	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05			*0.08*		<0.05		0.08			
SW259	24 Feb 2017	FCD4_SW_240217	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05			*0.38*		0.1		0.48			
SW259	03 Mar 2017	FCD4_SW_030317	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05			*0.15*		<0.05		0.15			
SW259	10 Mar 2017	FCD4_SW_100317	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05			*0.39*		0.22		0.61			
SW259	16 Mar 2017	FCD4_SW_20170316	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05			*0.33*		0.24		0.57			
SW259	24 Mar 2017	FCD4_SW_24/3/17	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.01			*0.28*		0.31		0.59			
SW259	31 Mar 2017	FCD4_SW_310317	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.02			*0.42*		0.44		0.86			
SW259	31 Mar 2017	QC415_SW_310317	Field_D	NSW_0908_PFAS	Broader Management Zone	Marine	0.02			*0.4*		0.44		0.84			
SW259	31 Mar 2017	QC515_SW_310317	Interlab_D	NSW_0908_PFAS	Broader Management Zone	Marine	0.022			*0.39*		0.52		0.91			
SW259	07 Apr 2017	FCD4_SW_070417	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.04			*0.56*		1.1		1.66			
SW259	02 Jun 2017	FCD4_SW_020617	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.01			*0.67*		1.62		**2.29**			
SW259	21 Jul 2017	FCD4_SW_210717	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.1			*1.97*		1.44		**3.41**			
SW259	12 Apr 2018	FCD4_SW_13042018	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.04			*0.8*		0.82		1.62			
SW259	07 Dec 2018	0908_FCD4_SW_181207	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	0.01			*0.24*		0.2		0.44			
SW259	14 Jun 2019	0908_FCD4_SW_190614	Normal	NSW_0908_PFAS	Broader Management Zone	Marine	<0.05			*0.26*		0.56		0.82			
SW259	08 Nov 2019	0908_FCD4_SW_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	<0.05			*0.84*		0.91		1.75			
SW259	25 May 2020	0908_SW259_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.3*		0.66		0.96			
SW259	13 Nov 2020	0908_SW259_201113	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*1.63*		1.03		**2.66**			
SW259	18 Dec 2020	0908_SW259_201218	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	<0.01			*0.13*		0.12		0.25			
SW259	21 Dec 2020	0908_SW259_2012211601	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.57*		0.59		1.16			
SW259	21 Dec 2020	0908_SW259_2012211701	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.57*		0.58		1.15			
SW259	21 Dec 2020	0908_SW259_2012211801	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.46*		0.48		0.94			
SW259	21 Dec 2020	0908_SW259_2012211901	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.42*		0.41		0.83			
SW259	21 Dec 2020	0908_SW259_2012212001	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.01			*0.35*		0.32		0.67			
SW259	21 Dec 2020	0908_SW259_2012212101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.01			*0.29*		0.28		0.57			
SW259	21 Dec 2020	0908_SW259_2012212201	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.4*		0.39		0.79			
SW259	21 Dec 2020	0908_SW259_2012212301	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.01			*0.36*		0.35		0.71			
SW259	22 Dec 2020	0908_SW259_2012220001	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.46*		0.53		0.99			
SW259	22 Dec 2020	0908_SW259_2012220101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.48*		0.67		1.15			
SW259	22 Dec 2020	0908_SW259_2012220201	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.65*		0.63		1.28			
SW259	22 Dec 2020	0908_SW259_2012220301	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.58*		0.66		1.24			
SW259	22 Dec 2020	0908_SW259_2012220401	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.45*		0.51		0.96			
SW259	22 Dec 2020	0908_SW259_2012220501	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.53*		0.5		1.03			
SW259	22 Dec 2020	0908_SW259_2012220601	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.48*		0.8		1.28			
SW259	22 Dec 2020	0908_SW259_2012220701	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.51*		0.71		1.22			
SW259	22 Dec 2020	0908_SW259_2012220801	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.58*		0.81		1.39			
SW259	22 Dec 2020	0908_SW259_2012220901	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.36*		0.58		0.94			
SW259	22 Dec 2020	0908_SW259_2012221001	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.42*		0.44		0.86			
SW259	22 Dec 2020	0908_SW259_2012221101	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.71*		0.97		1.68			
SW259	22 Dec 2020	0908_SW259_2012221201	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.68*		0.97		1.65			
SW259	22 Dec 2020	0908_SW259_2012221301	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.51*		0.87		1.38			
SW259	22 Dec 2020	0908_SW259_2012221401	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.62*		0.8		1.42			
SW259	22 Dec 2020	0908_SW259_2012221501	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.53*		0.63		1.16			
SW259	29 Jan 2021	0908_SW259_210129	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.63*		0.44		1.07			
SW259	29 Jan 2021	0908_SW259_2101291630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*1.74*		1.16		**2.9**			
SW259	29 Jan 2021	0908_SW259_2101291730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*1.31*		0.93		**2.24**			
SW259	29 Jan 2021	0908_SW259_2101291830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*1.04*		0.76		1.8			
SW259	29 Jan 2021	0908_SW259_2101291930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.91*		0.64		1.55			
SW259	29 Jan 2021	0908_SW259_2101292030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.95*		0.65		1.6			
SW259	29 Jan 2021	0908_SW259_2101292130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*1.1*		0.69		1.79			
SW259	29 Jan 2021	0908_SW259_2101292230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*1.07*		0.68		1.75			
SW259	29 Jan 2021	0908_SW259_2101292330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.95*		0.61		1.56			
SW259	30 Jan 2021	0908_SW259_2101300030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.7*		0.45		1.15			
SW259	30 Jan 2021	0908_SW259_2101300130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.62*		0.4		1.02			
SW259	30 Jan 2021	0908_SW259_2101300230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.67*		0.48		1.15			
SW259	30 Jan 2021	0908_SW259_2101300330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.83*		0.57		1.4			
SW259	30 Jan 2021	0908_SW259_2101300430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.69*		0.63		1.32			
SW259	30 Jan 2021	0908_SW259_2101300530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.96*		0.8		1.76			
SW259	30 Jan 2021	0908_SW259_2101300630	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.46*		0.38		0.84			
SW259	30 Jan 2021	0908_SW259_2101300730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*1*		1.16		**2.16**			
SW259	30 Jan 2021	0908_SW259_2101300830	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*0.95*		1.16		**2.11**			
SW259	30 Jan 2021	0908_SW259_2101300930	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*0.83*		1.01		1.84			
SW259	30 Jan 2021	0908_SW259_2101301030	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*0.96*		1.1		**2.06**			
SW259	30 Jan 2021	0908_SW259_2101301130	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*1.01*		1.15		**2.16**			
SW259	30 Jan 2021	0908_SW259_2101301230	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*0.93*		1.13		**2.06**			
SW259	30 Jan 2021	0908_SW259_2101301330	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.83*		0.85		1.68			
SW259	30 Jan 2021	0908_SW259_2101301430	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.75*		0.77		1.52			
SW259	30 Jan 2021	0908_SW259_2101301530	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*0.9*		0.84		1.74			
SW259	19 Feb 2021	0908_SW259_210219	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*1.21*		0.92		**2.13**			
SW259	26 Mar 2021	0908_SW259_210326	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.02			*0.43*		0.26		0.69			
SW259	23 Apr 2021	0908_SW259_210423	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.76*		0.58		1.34			
SW259	23 Apr 2021	0908_QC100_210423	Field_D	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.09			*2.94*		1.19		**4.13**			
SW259	23 Apr 2021	0908_QC200_210423	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.064			*2.4*		0.87		**3.27**			
SW259	10 May 2021	0908_SW259_210510	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*0.85*		0.58		1.43			
SW259	25 Jun 2021	0908_SW259_210625	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*1.11*		0.86		1.97			
SW259	30 Jul 2021	0908_SW259_210730	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*1.25*		0.76		**2.01**			
SW259	20 Aug 2021	0908_SW259_210820	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*0.88*		0.70		1.58			
SW259	27 Sep 2021	0908_SW259_210927	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.05			*1.32*		0.78		**2.1**			
SW259	25 Oct 2021	0908_SW259_211025	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.08			*1.32*		1.00		**2.32**			
SW259	26 Nov 2021	0908_SW259_211126	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.03			*0.66*		0.53		1.19			
SW259	27 May 2022	0908_SW259_220527	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.04			*0.85*		0.43		1.28			
SW259	15 Nov 2022	0908_SW259_221115	Normal	NSW_0908_PFASOMP	Broader Management Zone	Marine	0.06			*1.20*		0.78		1.98			
SW259	16 May 2023	0908_SW259_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Marine	0.04			*0.82*		0.87		1.69			
SW259	27 Nov 2023	0908_SW259_231127	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	Marine	<0.01			*0.04*		0.03		0.07			
SW259	23 Apr 2024	0908_SW259_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Marine	0.02			*0.39*		0.49		0.88			
SW259	20 Sep 2024	0908_SW259_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	Marine	0.06			*1.04*		0.64		1.68			

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample
PFAS OMP data in 2024 monitoring period	

Table E3 - Historical Sediment Analytical Results and Deviations

						PFAS Results and Deviations							
						PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations	Sum of PFAS	Sum of PFAS Deviations *(only consecutive increases above historical maximum)*
						mg/kg		mg/kg		mg/kg		mg/kg	
LOR						0.0001		0.0001		0.0001		0.0001	
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**								
SD047	17 Nov 2014	BD03_SD01_171114	Normal	NSW_0908_PFAS	On-base	<0.005		0.015		0.032		-	
SD047	17 Nov 2014	QC100_171114	Field_D	NSW_0908_PFAS	On-base	<0.005		0.053		0.065		-	
SD047	14 Jan 2016	BD03_SD_14012016	Normal	NSW_0908_PFAS	On-base	0.0016		0.0377		0.0499		-	
SD047	14 Sep 2016	BD03_0.0-0.1_140916	Normal	NSW_0908_PFAS	On-base	<0.0005		0.012		0.01252		-	
SD047	14 Sep 2016	BD03_0.3-0.4_140916	Normal	NSW_0908_PFAS	On-base	<0.0005		0.017		0.01761		-	
SD047	16 Dec 2016	BD03_SED_161216	Normal	NSW_0908_PFAS	On-base	0.0002		0.0285		0.0331		0.0364	
SD047	12 Apr 2018	BD03_SED_13042018	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0034		0.0039		0.0039	
SD047	07 Dec 2018	0908_BD03_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0005		0.0187		0.022		0.0257	
SD047	14 Jun 2019	0908_BD03_SD_190614	Normal	NSW_0908_PFAS	On-base	0.0006		0.0431		0.0464		0.0527	
SD047	06 Nov 2019	0908_BD04_SD_191106	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0006		0.0011		0.0014	
SD047	22 May 2020	0908_SD047_200522	Normal	NSW_0908_PFASOMP	On-base	0.0014		0.131		0.141		0.162	
SD047	27 Nov 2020	0908_SD047_201127	Normal	NSW_0908_PFASOMP	On-base	0.0013		0.0542		0.0616		0.0798	
SD047	11 May 2021	0908_SD047_210511	Normal	NSW_0908_PFASOMP	On-base	0.0003		0.0416		0.0499		0.0561	
SD047	16 Nov 2021	0908_SD047_211116	Normal	NSW_0908_PFASOMP	On-base	0.0011		0.364		0.383		0.408	
SD047	19 May 2022	0908_SD047_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0016		0.0018		0.0018	
SD047	10 Nov 2022	0908_SD047_221110	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0264		0.0274		0.0276	
SD047	10 May 2023	0908_SD047_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002		0.0057		0.0065		0.0067	
SD047	23 Nov 2023	0908_SD047_231123	Normal	NSW_0908_PFASOMP_23	On-base	0.0002		0.0713		0.0749		0.0760	
SD047	18 Apr 2024	0908_SD047_240418	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002		0.0497		0.0525		0.0532	
SD047	24 Sep 2024	0908_SD047_240924	Normal	NSW_0908_PFASOMP_24	On-base	0.0004		0.0685		0.0742		0.0759	
SD048	17 Nov 2014	BD04_SD01_171114	Normal	NSW_0908_PFAS	On-base	<0.005		<0.005		<0.005		-	
SD048	20 Jan 2016	BD04_SD_20012016	Normal	NSW_0908_PFAS	On-base	<0.0005		0.001		0.001		-	
SD048	16 Dec 2016	BD04_SED_161216	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0009		0.0013		0.0013	
SD048	12 Apr 2018	BD04_SED_13042018	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0004		0.0009		0.0009	
SD048	07 Dec 2018	0908_BD04_SD_181207	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0005		0.0008		0.0008	
SD048	14 Jun 2019	0908_BD04_SD_190614	Normal	NSW_0908_PFAS	On-base	0.0003		0.0035		0.005		0.0053	
SD048	22 May 2020	0908_SD048_200522	Normal	NSW_0908_PFASOMP	On-base	0.0003		0.0018		0.0031		0.0036	
SD048	27 Nov 2020	0908_SD048_201127	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0012		0.0018		0.0018	
SD048	11 May 2021	0908_SD048_210511	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0008		0.0008		0.0008	
SD048	16 Nov 2021	0908_SD048_211116	Normal	NSW_0908_PFASOMP	On-base	0.0002		0.0039		0.0058		0.0067	
SD048	19 May 2022	0908_SD048_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0033		0.0047		0.0058	
SD048	10 Nov 2022	0908_SD048_221110	Normal	NSW_0908_PFASOMP	On-base	0.0006		0.0103		0.0143		0.0174	
SD048	10 May 2023	0908_SD048_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002		0.0026		0.0034		0.0034	
SD048	22 Nov 2023	0908_SD048_231122	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002		0.0021		0.0026		0.0026	
SD048	22 Nov 2023	0908_QC110_231122	Field_D	NSW_0908_PFASOMP_23	On-base	0.0003		0.0156		0.0186		0.0189	
SD048	22 Nov 2023	0908_QC210_231122	Interlab_D	NSW_0908_PFASOMP_23	On-base	0.0003		0.0085		0.01		0.011	
SD048	18 Apr 2024	0908_SD048_240418	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002		0.0056		0.0066		0.0066	
SD048	24 Sep 2024	0908_SD048_240924	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002		0.0040		0.0055		0.0055	
SD055	23 Jun 2014	DD1_SEDIMENT	Normal	NSW_0908_PFAS	On-base	<0.005		0.008		0.008		-	
SD055	26 Jun 2014	QC6_SEDIMENT	Interlab_D	NSW_0908_PFAS	On-base	<0.0005		0.0039		0.0042		-	
SD055	14 Jan 2016	DD1_SD_14012016	Normal	NSW_0908_PFAS	On-base	<0.0005		0.007		0.007		-	
SD055	16 Dec 2016	DD1_SED_161216	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0055		0.007		0.007	
SD055	12 Apr 2018	DD1_SED_13042018	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0011		0.0018		0.0018	
SD055	07 Dec 2018	0908_DD1_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0004		0.0042		0.0104		0.0136	
SD055	13 Jun 2019	0908_DD1_SD_190613	Normal	NSW_0908_PFAS	On-base	<0.0002		0.003		0.0034		0.0055	
SD055	05 Nov 2019	0908_DD1_SD_191105	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0008		0.0014		0.0018	
SD055	22 May 2020	0908_SD055_200522	Normal	NSW_0908_PFASOMP	On-base	0.0003		0.0083		0.0092		0.0115	
SD055	23 Nov 2020	0908_SD055_201123	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0022		0.0025		0.0028	
SD055	11 May 2021	0908_SD055_210511	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0136		0.0159		0.0185	
SD055	16 Nov 2021	0908_SD055_211116	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0038		0.0049		0.0049	
SD055	16 Nov 2021	0908_QC109_211116	Field_D	NSW_0908_PFASOMP	On-base	<0.0002		0.0048		0.0061		0.0061	
SD055	19 May 2022	0908_SD055_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0092		0.0099		0.0099	
SD055	19 May 2022	0908_QC209_220519	Interlab_D	NSW_0908_PFASOMP	On-base	<0.0001		0.01		0.011		0.011	
SD055	10 Nov 2022	0908_SD055_221110	Normal	NSW_0908_PFASOMP	On-base	0.0003		0.0323		0.0377		0.0423	
SD055	10 May 2023	0908_SD055_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002		0.0137		0.0159		0.0167	
SD055	22 Nov 2023	0908_SD055_231122	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002		0.0019		0.0025		0.0025	
SD055	17 Apr 2024	0908_SD055_240417	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002		0.0071		0.0086		0.0091	
SD055	24 Sep 2024	0908_SD055_240924	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002		0.0028		0.0033		0.0033	
SD108	23 Jun 2014	LC1_SEDIMENT	Normal	NSW_0908_PFAS	On-base	<0.005		2.3		2.64		-	
SD108	14 Jan 2016	LC_SD_14012015	Normal	NSW_0908_PFAS	On-base	0.0028		0.144		0.144		-	
SD108	14 Sep 2016	LC_0.0-0.1_140916	Normal	NSW_0908_PFAS	On-base	<0.0005		0.062		0.06282		-	
SD108	16 Dec 2016	LC_SED_161216	Normal	NSW_0908_PFAS	On-base	0.0005		0.0396		0.0412		0.0471	
SD108	12 Apr 2018	LC_SED_13042018	Normal	NSW_0908_PFAS	On-base	0.0002		0.0216		0.0222		0.0255	
SD108	07 Dec 2018	0908_LC_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0002		0.0332		0.0348		0.0384	
SD108	14 Jun 2019	0908_LC_SD_190614	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0166		0.0171		0.0212	
SD108	06 Nov 2019	0908_BD03_SD_191106	Normal	NSW_0908_PFASOMP	On-base	0.0006		0.0317		0.0371		0.0449	
SD108	06 Nov 2019	0908_LC_SD_191106	Normal	NSW_0908_PFASOMP	On-base	0.0004		0.0499		0.0533		0.0692	
SD108	22 May 2020	0908_SD108_200522	Normal	NSW_0908_PFASOMP	On-base	0.0006		0.0372		0.0391		0.0479	
SD108	27 Nov 2020	0908_SD108_201127	Normal	NSW_0908_PFASOMP	On-base	0.0008		0.232		0.239		0.255	
SD108	11 May 2021	0908_SD108_210511	Normal	NSW_0908_PFASOMP	On-base	0.0005		0.192		0.199		0.218	
SD108	16 Nov 2021	0908_SD108_211116	Normal	NSW_0908_PFASOMP	On-base	0.0005		0.181		0.188		0.221	
SD108	19 May 2022	0908_SD108_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0377		0.0393		0.0435	
SD108	19 May 2022	0908_QC109_220519	Field_D	NSW_0908_PFASOMP	On-base	<0.0002		0.0879		0.0922		0.103	
SD108	10 Nov 2022	0908_SD108_221110	Normal	NSW_0908_PFASOMP	On-base	0.0002		0.114		0.122		0.139	
SD108	10 May 2023	0908_SD108_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002		0.0077		0.0080		0.0089	
SD108	23 Nov 2023	0908_SD108_231123	Normal	NSW_0908_PFASOMP_23	On-base	0.0004		0.190		0.200		0.213	
SD108	18 Apr 2024	0908_SD108_240418	Normal	NSW_0908_PFASOMP_24	On-base	0.0012		0.271		0.290		0.328	
SD108	25 Sep 2024	0908_SD108_240925	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002		0.0698		0.0714		0.0905	
SD110	16 Dec 2016	LC_B_SED_161216	Normal	NSW_0908_PFAS	On-base	<0.0002		0.0096		0.0098		0.0101	
SD110	16 Dec 2016	QC602_SED_161216	Field_D	NSW_0908_PFAS	On-base	<0.0002		0.0203		0.0209		0.0216	
SD110	16 Dec 2016	QC702_SD_161216	Interlab_D	NSW_0908_PFAS	On-base	<0.002		0.059		0.0615		-	
SD110	12 Apr 2018	LC_B_SED_13042018	Normal	NSW_0908_PFAS	On-base	0.0004		0.0112		0.0119		0.0164	
SD110	07 Dec 2018	0908_LC_B_SD_181207	Normal	NSW_0908_PFAS	On-base	0.0004		0.0288		0.0304		0.0375	
SD110	14 Jun 2019	0908_LC_B_SD_190614	Normal	NSW_0908_PFAS	On-base	0.0007		0.0548		0.0571		0.0688	
SD110	14 Jun 2019	0908_QC121_190614	Field_D	NSW_0908_PFAS	On-base	<0.0002		0.0137		0.0145		0.0176	
SD110	14 Jun 2019	0908_QC221_190614	Interlab_D	NSW_0908_PFAS	On-base	<0.001		0.0081		0.0093		-	
SD110	06 Nov 2019	0908_LC_B_SD_191106	Normal	NSW_0908_PFASOMP	On-base	0.0004		0.0433		0.0459		0.0534	
SD110	22 May 2020	0908_SD110_200522	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.0110		0.0117		0.0131	
SD110	27 Nov 2020	0908_SD110_201127	Normal	NSW_0908_PFASOMP	On-base	0.0005		0.0703		0.0731		0.0810	
SD110	11 May 2021	0908_SD110_210511	Normal	NSW_0908_PFASOMP	On-base	0.0011		0.268		0.281		0.318	
SD110	16 Nov 2021	0908_SD110_211116	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.189		0.197		0.259	
SD110	19 May 2022	0908_SD110_220519	Normal	NSW_0908_PFASOMP	On-base	<0.0002		0.200		0.205		0.238	
SD110	10 Nov 2022	0908_SD110_221110	Normal	NSW_0908_PFASOMP	On-base	0.0006		0.0967		0.114		0.129	
SD110	10 May 2023	0908_SD110_230510	Normal	NSW_0908_PFASOMP_23	On-base	<0.0002		0.169		0.175		0.233	
SD110	23 Nov 2023	0908_SD110_231123	Normal	NSW_0908_PFASOMP_23	On-base	0.0019		0.517		0.537		0.590	
SD110	18 Apr 2024	0908_SD110_240418	Normal	NSW_0908_PFASOMP_24	On-base	<0.0002		0.0575		0.0619		0.0973	
SD110	25 Sep 2024	0908_SD110_240925	Normal	NSW_0908_PFASOMP_24	On-base	0.0014		0.427		0.438		0.651	
SD060	17 Jun 2014	DD3_SEDIMENT	Normal	NSW_0908_PFAS	Primary Management Zone	<0.005		0.098		0.137		-	
SD060	25 Jun 2014	QC5_SEDIMENT	Field_D	NSW_0908_PFAS	Primary Management Zone	<0.005		<0.005		<0.005		-	
SD060	14 Jan 2016	DD3_SD_14012016	Normal	NSW_0908_PFAS	Primary Management Zone	<0.0005		0.0097		0.0137		-	
SD060	14 Jan 2016	QC100_SD_13012016	Field_D	NSW_0908_PFAS	Primary Management Zone	<0.0005		0.0095		0.0095		-	
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	Primary Management Zone	0.0036		0.339		0.377		0.395	
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	Primary Management Zone	-		-		0.3774		-	
SD060	12 Apr 2018	DD3_SED_12042018	Normal	NSW_0908_PFAS	Primary Management Zone	0.0021		0.0839		0.114		0.13	
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	Primary Management Zone	0.0036		0.14		0.206		0.239	
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	Primary Management Zone	-		-		0.2064		-	
SD060	13 Jun 2019	0908_DD3_SD_190613	Normal	NSW_0908_PFAS	Primary Management Zone	0.0002		0.0148		0.019		0.021	
SD060	05 Nov 2019	0908_DD3_SD_191105	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0010		0.0971		0.111		0.120	
SD060	04 Jun 2020	0908_SD060_200604	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0004		0.0194		0.0241		0.0271	
SD060	20 Nov 2020	0908_SD060_201120	Normal	NSW_0908_PFASOMP	Primary Management Zone	<0.0002		0.0257		0.0271		0.0273	
SD060	11 May 2021	0908_SD060_210511	Normal	NSW_0908_PFASOMP	Primary Management Zone	<0.0002		0.0417		0.0439		0.0452	
SD060	15 Nov 2021	0908_SD060_211115	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0014		0.0912		0.114		0.126	
SD060	18 May 2022	0908_SD060_220518	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0014		0.226		0.248		0.262	
SD060	09 Nov 2022	0908_SD060_221109	Normal	NSW_0908_PFASOMP	Primary Management Zone	0.0003		0.0149		0.0183		0.0202	
SD060	09 Nov 2022	0908_QC111_221109	Field_D	NSW_0908_PFASOMP	Primary Management Zone	0.0004		0.0213		0.0252		0.0277	
SD060	09 Nov 2022	0908_QC211_221109	Interlab_D	NSW_0908_PFASOMP	Primary Management Zone	0.0003		0.012		0.014		0.016	
SD060	11 May 2023	0908_SD060_230511	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	<0.0002		0.0017		0.0023		0.0023	
SD060	23 Nov 2023	0908_SD060_231123	Normal	NSW_0908_PFASOMP_23	Primary Management Zone	0.0045		1.03		1.11		1.16	
SD060	22 Apr 2024	0908_SD060_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	0.0012		0.0404		0.0576		0.0684	
SD060	19 Sep 2024	0908_SD060_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	0.0012		0.205		0.226		0.240	
SD060	19 Sep 2024	0908_QC100_240919	Field_D	NSW_0908_PFASOMP_24	Primary Management Zone	0.0009		0.164		0.190		0.200	

Table E3 - Historical Sediment Analytical Results and Deviations

						PFAS Results and Deviations							
						PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations	Sum of PFAS	Sum of PFAS Deviations *(only consecutive increases above historical maximum)*
						mg/kg		mg/kg		mg/kg		mg/kg	
LOR						0.0001		0.0001		0.0001		0.0001	
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**								
SD060	19 Sep 2024	0908_QC200_240919	Interlab_D	NSW_0908_PFASOMP_24	Primary Management Zone	0.0009		0.16		0.18		0.19	
SD333	22 Apr 2024	0908_SD333_240422	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	0.0012	New Minimum, New Maximum, First-time Detection	0.123	New Minimum, New Maximum, First-time Detection	0.148	New Minimum, New Maximum, First-time Detection	0.181	
SD333	19 Sep 2024	0908_SD333_240919	Normal	NSW_0908_PFASOMP_24	Primary Management Zone	<0.0002	New Minimum	0.0167	New Minimum	0.0186	New Minimum	0.0251	
SD001	18 Jun 2014	MD1_SEDIMENT	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.005		0.17		0.17		-	
SD001	13 Jan 2016	MD1_SD_13012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005		0.0015		0.0015		-	
SD001	14 Dec 2016	MD1_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0774		0.0917		0.103	
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.096		0.117		0.133	
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	Secondary Management Zone	-		-		0.1173		-	
SD001	14 Dec 2016	QC701_20161214	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	0.0031		0.076		0.0825		-	
SD001	12 Apr 2018	MD1_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0022		0.0024		0.0024	
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.146		0.1556		0.184	
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	-		-		0.156		-	
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0014		0.13		0.144		0.165	
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	-		-		0.1444		-	
SD001	05 Nov 2019	0908_MD1_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0006		0.0974		0.106		0.108	
SD001	02 Jun 2020	0908_SD001_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0010		0.0239		0.0257		0.0257	
SD001	20 Nov 2020	0908_SD001_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004		0.0393		0.0450		0.0471	
SD001	20 Nov 2020	0908_QC103_201120	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	0.0004		0.0401		0.0459		0.0478	
SD001	20 Nov 2020	0908_QC203_201120	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.001		0.044		0.058		-	
SD001	11 May 2021	0908_SD001_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004		0.0787		0.0863		0.0916	
SD001	19 Nov 2021	0908_SD001_211119	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0003		0.0207		0.0238		0.0260	
SD001	19 Nov 2021	0908_QC115_211119	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0191		0.0214		0.0214	
SD001	19 Nov 2021	0908_QC215_211119	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0001		0.011		0.012		0.013	
SD001	18 May 2022	0908_SD001_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0014		0.0016		0.0016	
SD001	08 Nov 2022	0908_SD001_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0936		0.102		0.107	
SD001	08 May 2023	0908_SD001_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0010		0.142		0.149		0.154	
SD001	21 Nov 2023	0908_SD001_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0007		0.143		0.152		0.157	
SD001	24 Apr 2024	0908_SD001_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0006		0.176	New Maximum	0.200	New Maximum	0.215	
SD001	25 Sep 2024	0908_SD001_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0004		0.133		0.148		0.155	
SD006	23 Jun 2014	MD6_SEDIMENT	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.005		0.018		0.018		-	
SD006	13 Jan 2016	MD6_SD_13012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005		0.0185		0.0185		-	
SD006	14 Dec 2016	MD6_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0238		0.0253		0.026	
SD006	12 Apr 2018	MD6_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0002		0.0208		0.0226		0.023	
SD006	06 Dec 2018	0908_MD6_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0002		0.0157		0.0178		0.0186	
SD006	14 Jun 2019	0908_MD6_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0729		0.0769		0.0769	
SD006	05 Nov 2019	0908_MD6_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0018		0.0018		0.0018	
SD006	02 Jun 2020	0908_SD006_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0002		0.0988		0.101		0.103	
SD006	20 Nov 2020	0908_SD006_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0077		0.0080		0.0080	
SD006	11 May 2021	0908_SD006_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0038		1.20		1.24		1.28	
SD006	17 Nov 2021	0908_SD006_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004		0.131		0.137		0.140	
SD006	18 May 2022	0908_SD006_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0296		0.0306		0.0308	
SD006	08 Nov 2022	0908_SD006_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.336		0.339		0.346	
SD006	08 May 2023	0908_SD006_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0004		0.200		0.208		0.211	
SD006	21 Nov 2023	0908_SD006_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	0.0006		0.859		0.883		0.905	
SD006	24 Apr 2024	0908_SD006_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0007		0.391		0.403		0.417	
SD006	25 Sep 2024	0908_SD006_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0006		0.532		0.552		0.579	
SD007	13 Jan 2016	MD7_SD_13012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005		<0.0005		<0.0005		-	
SD007	14 Dec 2016	MD7_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.001		0.0013		0.0013	
SD007	12 Apr 2018	MD7_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0031		0.0035		0.0035	
SD007	12 Apr 2018	QC100_SED_12042018	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0021		0.0023		0.0023	
SD007	12 Apr 2018	QC200_SED_12042018	Interlab_D	NSW_0908_PFAS	Secondary Management Zone	<0.001		0.0035		0.0045		-	
SD007	06 Dec 2018	0908_MD7_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0241		0.0255		0.0257	
SD007	14 Jun 2019	0908_MD7_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.011		0.0112		0.0112	
SD007	05 Nov 2019	0908_MD7_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0249		0.0259		0.0259	
SD007	02 Jun 2020	0908_SD007_200602	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0066		0.0072		0.0072	
SD007	20 Nov 2020	0908_SD007_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0156		0.0161		0.0161	
SD007	11 May 2021	0908_SD007_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0068		0.0073		0.0073	
SD007	16 Nov 2021	0908_SD007_211116	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0471		0.0482		0.0487	
SD007	18 May 2022	0908_SD007_220518	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0050		0.0056		0.0056	
SD007	08 Nov 2022	0908_SD007_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0088		0.0097		0.0097	
SD007	08 May 2023	0908_SD007_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0383		0.0390		0.0395	
SD007	21 Nov 2023	0908_SD007_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0150		0.0160		0.0160	
SD007	24 Apr 2024	0908_SD007_240424	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0101		0.0107		0.0107	
SD007	25 Sep 2024	0908_SD007_240925	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0417		0.0432		0.0437	
SD009	28 Jan 2016	MD8_SD_28012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005		<0.0005		<0.0005		-	
SD009	14 Dec 2016	MD8_SED_20161214	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0004		0.0868		0.0984		0.103	
SD009	01 May 2018	MD8_SED_01052018	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0003		0.0702		0.0807		0.0867	
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		<0.0002		0.0006		0.001	
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	-		-		0.0008		-	
SD009	13 Jun 2019	0908_MD8_SD_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0016		0.0018		0.0018	
SD009	06 Nov 2019	0908_MD8_SD_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0057		0.0062		0.0062	
SD009	24 Jun 2020	0908_SD009_200624	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0051		0.0054		0.0054	
SD009	26 Nov 2020	0908_SD009_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0002		0.0556		0.0586		0.0598	
SD009	11 May 2021	0908_SD009_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0247		0.0259		0.0259	
SD009	17 Nov 2021	0908_SD009_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0171		0.0180		0.0188	
SD009	17 May 2022	0908_SD009_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0077		0.0081		0.0085	
SD009	17 May 2022	0908_QC105_220517	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0194		0.0210		0.0226	
SD009	17 May 2022	0908_QC205_220517	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	0.0001		0.035		0.036		0.039	
SD009	08 Nov 2022	0908_SD009_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0133		0.0146		0.0159	
SD009	08 Nov 2022	0908_QC107_221108	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0062		0.0070		0.0070	
SD009	08 Nov 2022	0908_QC207_221108	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0001		0.0059		0.0064		0.0067	
SD009	08 May 2023	0908_SD009_230508	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0131		0.0139		0.0146	
SD009	08 May 2023	0908_QC104_230508	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0176		0.0187		0.0195	
SD009	08 May 2023	0908_QC204_230508	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0001		0.028		0.029		0.03	
SD009	21 Nov 2023	0908_SD009_231121	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0112		0.0119		0.0119	
SD009	22 Apr 2024	0908_SD009_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0002		0.0179		0.0227		0.0254	
SD009	23 Sep 2024	0908_SD009_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0082		0.0087		0.0087	
SD009	23 Sep 2024	0908_QC105_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0099		0.0104		0.0104	
SD009	23 Sep 2024	0908_QC205_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0001		0.0066		0.0071		0.0071	
SD011	12 Feb 2016	MD10_SD_12022016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005		0.0006		0.0006		-	
SD011	12 Feb 2016	QC103_SD_12022016	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.0005		0.0006		0.0006		-	
SD011	13 Feb 2017	MD10_SED_130217	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0028		0.0033		0.0033	
SD011	07 Dec 2018	0908_MD10_SD_181207	Normal	NSW_0908_PFAS	Secondary Management Zone	0.0002		0.0154		0.0169		0.0187	
SD011	13 Jun 2019	0908_MD10_SD_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0084		0.009		0.009	
SD011	06 Nov 2019	0908_MD10_SD_191106	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0065		0.0069		0.0069	
SD011	19 Jun 2020	0908_SD011_200619	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004		0.0359		0.0381		0.0396	
SD011	26 Nov 2020	0908_SD011_201126	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0003		0.125		0.138		0.160	
SD011	26 Nov 2020	0908_QC107_201126	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	0.0002		0.0651		0.0685		0.0695	
SD011	26 Nov 2020	0908_QC207_201126	Interlab_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.001		0.027		0.0285		-	
SD011	26 May 2021	0908_SD011_110526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0217		0.0224		0.0224	
SD011	11 May 2023	0908_SD011_230511	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0396		0.0407		0.0410	
SD011	28 Nov 2023	0908_SD011_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0200		0.0207		0.0210	
SD011	28 Nov 2023	0908_QC113_231128	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0191		0.0198		0.0211	
SD011	28 Nov 2023	0908_QC213_231128	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0001		0.018		0.019		0.019	
SD011	23 Apr 2024	0908_SD011_240423	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0082		0.0090		0.0090	
SD011	26 Sep 2024	0908_SD011_240926	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0300		0.0309		0.0311	
SD019	30 Jan 2017	TC12_SED_300117	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0245		0.027		0.0273	
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0035		0.0035		0.0035	
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	-		-		0.0037		-	
SD019	06 Dec 2018	0908_TC12_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		<0.0002		<0.0002		<0.0002	
SD019	14 Jun 2019	0908_TC12_SD_190614	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0212		0.0224		0.0224	
SD019	07 Nov 2019	0908_TC12_SD_191107	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0006		0.0006		0.0006	
SD019	26 May 2020	0908_SD019_200526	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0044		0.0048		0.0048	
SD019	12 Nov 2020	0908_SD019_201112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004		0.0117		0.0136		0.0150	
SD019	10 May 2021	0908_SD019_210510	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0007		0.116		0.130		0.134	
SD019	12 Nov 2021	0908_SD019_211112	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0053		0.0053		0.0053	
SD019	27 May 2022	0908_SD019_220527	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0125		0.0132		0.0132	
SD019	14 Nov 2022	0908_SD019_221114	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0008		0.0283		0.0311		0.0342	
SD019	17 May 2023	0908_SD019_230517	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0007		0.0007		0.0007	

Table E3 - Historical Sediment Analytical Results and Deviations

						PFAS Results and Deviations							
						PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations	Sum of PFAS	Sum of PFAS Deviations *(only consecutive increases above historical maximum)*
						mg/kg		mg/kg		mg/kg		mg/kg	
LOR						0.0001		0.0001		0.0001		0.0001	
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**								
SD019	28 Nov 2023	0908_SD019_231128	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0123		0.0131		0.0131	
SD019	22 Apr 2024	0908_SD019_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0053		0.0053		0.0053	
SD019	20 Sep 2024	0908_SD019_240920	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0056		0.0064		0.0074	
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0012		0.0012		0.0012	
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	-		-		0.0014		-	
SD023	05 Nov 2019	0908_TC6a_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0059		0.0065		0.0065	
SD023	04 Jun 2020	0908_SD023_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0002		0.0101		0.0114		0.0116	
SD023	20 Nov 2020	0908_SD023_201120	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0040		0.0043		0.0043	
SD055	27 Apr 2021	0908_SD055_210427	Normal	NSW_0908_WQMP_21	On-base	<0.0001		0.0022		0.0025		0.0025	
SD023	11 May 2021	0908_SD023_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0163		0.0177		0.0179	
SD023	17 Nov 2021	0908_SD023_211117	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0020		0.0020		0.0020	
SD023	17 Nov 2021	0908_QC113_211117	Field_D	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0010		0.0010		0.0010	
SD023	17 May 2022	0908_SD023_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0008		0.0008		0.0008	
SD023	08 Nov 2022	0908_SD023_221108	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0186		0.0195		0.0195	
SD023	09 May 2023	0908_SD023_230509	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0192		0.0203		0.0206	
SD023	20 Nov 2023	0908_SD023_231120	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0055		0.0059		0.0059	
SD023	16 Apr 2024	0908_SD023_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0269	New Maximum	0.0290	New Maximum	0.0290	
SD023	16 Apr 2024	0908_QC108_240416	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0249		0.0266		0.0268	
SD023	16 Apr 2024	0908_QC208_240416	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0004		0.025		0.027		0.027	
SD023	27 Sep 2024	0908_SD023_240927	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0013		0.0013		0.0013	
SD059	19 Jun 2014	DD2_SEDIMENT	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.005		0.24		0.282		-	
SD059	14 Jan 2016	DD2_SD_14012016	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0005		0.0011		0.0011		-	
SD059	14 Jan 2016	QC200_SD_1412016	Field_D	NSW_0908_PFAS	Secondary Management Zone	<0.002		<0.002		<0.002		-	
SD059	14 Dec 2016	DD2_SED_161214	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0066		0.0076		0.0076	
SD059	12 Apr 2018	DD2_SED_12042018	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0018		0.0021		0.0026	
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0006		0.0006		0.0006	
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	Secondary Management Zone	-		-		0.0008		-	
SD059	13 Jun 2019	0908_DD2_SD_190613	Normal	NSW_0908_PFAS	Secondary Management Zone	<0.0002		0.0008		0.0011		0.0011	
SD059	05 Nov 2019	0908_DD2_SD_191105	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0153		0.0171		0.0193	
SD059	04 Jun 2020	0908_SD059_200604	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0124		0.0140		0.0152	
SD059	13 Nov 2020	0908_SD059_201113	Normal	NSW_0908_PFASOMP	Secondary Management Zone	0.0004		0.0662		0.0668		0.0685	
SD059	11 May 2021	0908_SD059_210511	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0196		0.0214		0.0265	
SD059	15 Nov 2021	0908_SD059_211115	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0010		0.0010		0.0010	
SD059	17 May 2022	0908_SD059_220517	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0026		0.0026		0.0026	
SD059	09 Nov 2022	0908_SD059_221109	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0003		0.0003		0.0003	
SD059	16 May 2023	0908_SD059_230516	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		<0.0002		<0.0002		<0.0002	
SD059	16 May 2023	0908_QC116_230516	Field_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0005		0.0009		0.0009	
SD059	16 May 2023	0908_QC216_230516	Interlab_D	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0001		0.0003		0.0006		0.0006	
SD059	23 Nov 2023	0908_SD059_231123	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0015		0.0015		0.0015	
SD059	16 Apr 2024	0908_SD059_240416	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0130		0.0156		0.0164	
SD059	23 Sep 2024	0908_SD059_240923	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0011		0.0011		0.0011	
SD059	23 Sep 2024	0908_QC102_240923	Field_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0002		0.0003		0.0003		0.0003	
SD059	23 Sep 2024	0908_QC202_240923	Interlab_D	NSW_0908_PFASOMP_24	Secondary Management Zone	<0.0001		0.0010		0.0013		0.0013	
SD600	25 Nov 2022	0908_SD600_221125	Normal	NSW_0908_PFASOMP	Secondary Management Zone	<0.0002		0.0164		0.0178		0.0181	
SD600	15 May 2023	0908_SD600_230515	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0239		0.0246		0.0255	
SD600	27 Nov 2023	0908_SD600_231127	Normal	NSW_0908_PFASOMP_23	Secondary Management Zone	<0.0002		0.0510		0.0526		0.0534	
SD600	22 Apr 2024	0908_SD600_240422	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0003	New Maximum, First-time Detection	0.0142	New Minimum	0.0168	New Minimum	0.0186	
SD600	19 Sep 2024	0908_SD600_240919	Normal	NSW_0908_PFASOMP_24	Secondary Management Zone	0.0006	New Maximum	0.0973	New Maximum	0.103	New Maximum	0.109	
SD005	19 Jun 2014	MD5_SEDIMENT	Normal	NSW_0908_PFAS	Broader Management Zone	<0.005		<0.005		<0.005		-	
SD005	25 Jan 2016	MD5_SD_25012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005		<0.0005		<0.0005		-	
SD005	20 Dec 2016	MD5_SED_161220	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.003		0.0082		0.0102	
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0012		0.0012		0.0016	
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	-		-		0.0014		-	
SD005	06 Dec 2018	0908_MD5_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0019		0.0022		0.0026	
SD005	13 Jun 2019	0908_MD5_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		<0.0002		<0.0002		<0.0002	
SD005	06 Nov 2019	0908_MD5_SD_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0008		0.0008		0.0008	
SD005	04 Jun 2020	0908_SD005_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0032		0.0038		0.0038	
SD005	20 Nov 2020	0908_SD005_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0010		0.0320		0.0335		0.0380	
SD005	11 May 2021	0908_SD005_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0105		0.0113		0.0113	
SD005	17 Nov 2021	0908_SD005_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0117		0.0137		0.0137	
SD005	18 May 2022	0908_SD005_220518	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0010		0.0010		0.0010	
SD005	08 Nov 2022	0908_SD005_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0011		0.0417		0.0440		0.0489	
SD005	09 May 2023	0908_SD005_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0232		0.0239		0.0239	
SD005	09 May 2023	0908_QC113_230509	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0116		0.0120		0.0120	
SD005	09 May 2023	0908_QC213_230509	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0001		0.025		0.025		0.026	
SD005	21 Nov 2023	0908_SD005_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0058		0.0065		0.0065	
SD005	16 Apr 2024	0908_SD005_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	0.0002		0.0069		0.0072		0.0074	
SD005	16 Apr 2024	0908_QC105_240416	Field_D	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0081		0.0085		0.0087	
SD005	16 Apr 2024	0908_QC205_240416	Interlab_D	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0004		0.0097		0.01		0.01	
SD005	27 Sep 2024	0908_SD005_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0083		0.0089		0.0089	
SD014	20 Dec 2016	MD14_SED_161220	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0024		0.0024		0.0229	
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0002		0.0002		0.0002	
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	-		-		0.0004		-	
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0017		0.0017		0.0021	
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	-		-		0.0019		-	
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0011		0.0011		0.0011	
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	-		-		0.0013		-	
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0004		0.0004		0.0004	
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	Broader Management Zone	-		-		0.0006		-	
SD014	13 Jun 2019	0908_QC220_190613	Interlab_D	NSW_0908_PFAS	Broader Management Zone	<0.001		0.0028		0.0038		-	
SD014	05 Nov 2019	0908_MD14_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0011		0.0011		0.0017	
SD014	04 Jun 2020	0908_SD014_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0093		0.0101		0.0109	
SD014	26 Nov 2020	0908_SD014_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0496		0.0524		0.0524	
SD014	26 Nov 2020	0908_QC109_201126	Field_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0154		0.0162		0.0171	
SD014	26 Nov 2020	0908_QC209_201126	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.001		0.037		0.0396		-	
SD014	11 May 2021	0908_SD014_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0002		0.0705		0.0758		0.0787	
SD014	17 Nov 2021	0908_SD014_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0005		0.0894		0.0977		0.102	
SD014	17 Nov 2021	0908_QC212_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	0.0004		0.059		0.065		0.068	
SD014	16 May 2022	0908_SD014_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0039		0.0041		0.0044	
SD014	07 Nov 2022	0908_SD014_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0508		0.0528		0.0544	
SD014	07 Nov 2022	0908_QC104_221107	Field_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0255		0.0275		0.0275	
SD014	07 Nov 2022	0908_QC204_221107	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0001		0.0096		0.01		0.01	
SD014	09 May 2023	0908_SD014_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0291		0.0301		0.0301	
SD014	09 May 2023	0908_QC207_230509	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0005		0.024		0.025		0.025	
SD014	21 Nov 2023	0908_SD014_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0565		0.0590		0.0686	
SD014	16 Apr 2024	0908_SD014_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0554		0.0585		0.0790	
SD014	27 Sep 2024	0908_SD014_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0004		0.0004		0.0004	
SD024	21 Jan 2016	TC7_SD_21012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005		0.0136		0.018		-	
SD024	14 Dec 2016	TC7_SED_20161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0006		0.0006		0.0011	
SD024	06 Dec 2018	0908_TC7_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0028		0.0031		0.0033	
SD024	13 Jun 2019	0908_TC7_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0023		0.0025		0.0025	
SD024	05 Nov 2019	0908_TC7_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0017		0.0020		0.0020	
SD024	04 Jun 2020	0908_SD024_200604	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0005		0.0097		0.0111		0.0119	
SD024	20 Nov 2020	0908_SD024_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0170		0.0181		0.0184	
SD024	11 May 2021	0908_SD024_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0005		0.0445		0.0485		0.0501	
SD024	17 Nov 2021	0908_SD024_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0034		0.0039		0.0039	
SD024	17 Nov 2021	0908_QC213_211117	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0001		0.0028		0.0032		0.0032	
SD024	16 May 2022	0908_SD024_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0031		0.0043		0.0043	
SD024	08 Nov 2022	0908_SD024_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0840		0.0899		0.0902	
SD024	09 May 2023	0908_SD024_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0731		0.0756		0.0764	
SD024	20 Nov 2023	0908_SD024_231120	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	0.0017		0.0248		0.0256		0.0286	
SD024	16 Apr 2024	0908_SD024_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	0.0052	New Maximum	0.0627		0.0657		0.0798	
SD024	27 Sep 2024	0908_SD024_240927	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	0.0003		0.0103		0.0108		0.0111	
SD062	17 Jun 2014	DD5_SEDIMENT	Normal	NSW_0908_PFAS	Broader Management Zone	<0.005		0.056		0.056		-	
SD062	13 Jan 2016	DD5_SD_13012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005		0.0009		0.0009		-	
SD062	14 Dec 2016	DD5_SED_161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.001		0.0012		0.0012	
SD062	12 Apr 2018	DD5_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0079		0.0084		0.0084	
SD062	07 Dec 2018	0908_DD5_SD_181207	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0086		0.009		0.0094	
SD062	07 Dec 2018	0908_QC110_SD_181207	Field_D	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0066		0.007		0.007	
SD062	07 Dec 2018	0908_QC205_SD_181207	Interlab_D	NSW_0908_PFAS	Broader Management Zone	<0.001		0.0084		0.0094		-	

Table E3 - Historical Sediment Analytical Results and Deviations

						PFAS Results and Deviations							
						PFOA	PFOA Deviations	PFOS	PFOS Deviations	PFOS+ PFHxS	PFOS+PFHxS Deviations	Sum of PFAS	Sum of PFAS Deviations *(only consecutive increases above historical maximum)*
						mg/kg		mg/kg		mg/kg		mg/kg	
LOR						0.0001		0.0001		0.0001		0.0001	
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**	**On-base/Management Zone**								
SD062	13 Jun 2019	0908_DD5_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0303		0.0321		0.0321	
SD062	06 Nov 2019	0908_DD5_SD_191106	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0054		0.0060		0.0060	
SD062	02 Jun 2020	0908_SD062_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0004		0.0800		0.0860		0.0888	
SD062	20 Nov 2020	0908_SD062_201120	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0031		0.0035		0.0035	
SD062	11 May 2021	0908_SD062_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0312		0.0336		0.0343	
SD062	17 Nov 2021	0908_SD062_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0036		0.0039		0.0039	
SD062	16 May 2022	0908_SD062_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0004		0.0008		0.0008	
SD062	07 Nov 2022	0908_SD062_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0008		0.0008		0.0008	
SD062	11 May 2023	0908_SD062_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0003		0.0003		0.0003	
SD062	23 Nov 2023	0908_SD062_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0192		0.0203		0.0203	
SD062	22 Apr 2024	0908_SD062_240422	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0096		0.0099		0.0099	
SD062	20 Sep 2024	0908_SD062_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0026		0.0029		0.0029	
SD079	14 Jan 2016	TC2_SD_14012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005		0.0109		0.0109		-	
SD079	14 Dec 2016	TC2_SED_161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0008		0.0008		0.0008	
SD079	12 Apr 2018	TC2_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0071		0.0082		0.0093	
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0011		0.0011		0.0013	
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	-		-		0.0013		-	
SD079	13 Jun 2019	0908_TC2_SD_190613	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0063		0.007		0.007	
SD079	05 Nov 2019	0908_TC2_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0017		0.0021		0.0021	
SD079	02 Jun 2020	0908_SD079_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0003		0.0597		0.0637		0.0652	
SD079	26 Nov 2020	0908_SD079_201126	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0271		0.0327		0.0338	
SD079	11 May 2021	0908_SD079_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0079		0.0109		0.0114	
SD079	12 Nov 2021	0908_SD079_211112	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0162		0.0180		0.0182	
SD079	16 May 2022	0908_SD079_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0038		0.0044		0.0044	
SD079	07 Nov 2022	0908_SD079_221107	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0483		0.0553		0.0553	
SD079	09 May 2023	0908_SD079_230509	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0363		0.0397		0.0405	
SD079	21 Nov 2023	0908_SD079_231121	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0005		0.0005		0.0005	
SD079	21 Nov 2023	0908_QC104_231121	Field_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0008		0.0008		0.0008	
SD079	21 Nov 2023	0908_QC204_231121	Interlab_D	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0001		0.0008		0.0008		0.0008	
SD079	16 Apr 2024	0908_SD079_240416	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0157		0.0182		0.0186	
SD079	25 Sep 2024	0908_SD079_240925	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0182		0.0203		0.0205	
SD081	13 Jan 2016	TFD1_SD_13012016	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005		0.0095		0.0095		-	
SD081	14 Dec 2016	TFD1_SED_161214	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005		0.014		0.014		0.0145	
SD081	12 Apr 2018	TFD1_SED_12042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0021		0.0025		0.0025	
SD081	07 Dec 2018	0908_TFD1_SD_181206	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0005		0.024		0.0255		0.0271	
SD081	14 Jun 2019	0908_TFD1_SD_190614	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.019		0.0208		0.0208	
SD081	05 Nov 2019	0908_TFD1_SD_191105	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0005		0.0174		0.0200		0.0200	
SD081	05 Nov 2019	0908_QC102_191105	Field_D	NSW_0908_PFASOMP	Broader Management Zone	<0.0005		0.0174		0.0196		0.0196	
SD081	05 Nov 2019	0908_QC202_191105	Interlab_D	NSW_0908_PFASOMP	Broader Management Zone	<0.002		0.015		0.015		-	
SD081	02 Jun 2020	0908_SD081_200602	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0007		0.0434		0.0454		0.0474	
SD081	12 Nov 2020	0908_SD081_201112	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0002		0.0123		0.0129		0.0134	
SD081	11 May 2021	0908_SD081_210511	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0037		0.0041		0.0041	
SD081	17 Nov 2021	0908_SD081_211117	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0062		0.0062		0.0062	
SD081	16 May 2022	0908_SD081_220516	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0178		0.0229		0.0229	
SD081	08 Nov 2022	0908_SD081_221108	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0005		0.0009		0.0009	
SD081	11 May 2023	0908_SD081_230511	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0038		0.0042		0.0042	
SD081	23 Nov 2023	0908_SD081_231123	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0014		0.0014		0.0014	
SD081	23 Apr 2024	0908_SD081_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0021		0.0021		0.0021	
SD081	20 Sep 2024	0908_SD081_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0137		0.0159		0.0159	
SD259	21 Feb 2017	FCD4_SED_17022017	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0168		0.0173		0.0175	
SD259	12 Apr 2018	FCD4_SED_13042018	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0045		0.0052		0.0052	
SD259	07 Dec 2018	0908_FCD4_SD_181207	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0014		0.0019		0.0019	
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	Broader Management Zone	<0.0002		0.0012		0.0012		0.0012	
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	Broader Management Zone	-		-		0.0014		-	
SD259	08 Nov 2019	0908_FCD4_SD_191108	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0010		0.0023		0.0025	
SD259	25 May 2020	0908_SD259_200525	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0078		0.0092		0.0097	
SD259	13 Nov 2020	0908_SD259_201113	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0004		0.0111		0.0140		0.0149	
SD259	10 May 2021	0908_SD259_210510	Normal	NSW_0908_PFASOMP	Broader Management Zone	0.0004		0.0292		0.0337		0.0361	
SD259	26 Nov 2021	0908_SD259_211126	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0006		0.0010		0.0010	
SD259	27 May 2022	0908_SD259_220527	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0016		0.0016		0.0016	
SD259	15 Nov 2022	0908_SD259_221115	Normal	NSW_0908_PFASOMP	Broader Management Zone	<0.0002		0.0042		0.0047		0.0047	
SD259	16 May 2023	0908_SD259_230516	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0068		0.0073		0.0073	
SD259	27 Nov 2023	0908_SD259_231127	Normal	NSW_0908_PFASOMP_23	Broader Management Zone	<0.0002		0.0089		0.0159		0.0165	
SD259	23 Apr 2024	0908_SD259_240423	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0004		0.0004	New Minimum	0.0004	
SD259	20 Sep 2024	0908_SD259_240920	Normal	NSW_0908_PFASOMP_24	Broader Management Zone	<0.0002		0.0318	New Maximum	0.0535	New Maximum	0.0559	
SD254	07 Dec 2018	0908_FC1A_SD_181207	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0071		0.0082		0.0089	
SD254	14 Jun 2019	0908_FC1A_SD_190614	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0039		0.0041		0.0041	
SD254	08 Nov 2019	0908_FC1A_SD_191108	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0003		0.0029		0.0037		0.0042	
SD254	12 Jun 2020	0908_SD254_200612	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0025		0.0387		0.0439		0.0500	
SD254	12 Jun 2020	0908_QC111_200612	Field_D	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0025		0.0322		0.0370		0.0422	
SD254	12 Jun 2020	0908_QC211_200612	Interlab_D	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0021		0.039		0.0433		-	
SD254	13 Nov 2020	0908_SD254_201113	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0044		0.0370		0.0402		0.0482	
SD254	10 May 2021	0908_SD254_210510	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0037		0.0284		0.0315		0.0385	
SD254	26 Nov 2021	0908_SD254_211126	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0015		0.0416		0.0457		0.0494	
SD254	27 May 2022	0908_SD254_220527	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0011		0.0276		0.0306		0.0339	
SD254	15 Nov 2022	0908_SD254_221115	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0005		0.0378		0.0401		0.0423	
SD254	16 May 2023	0908_SD254_230516	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet	0.0007		0.0321		0.0337		0.0346	
SD254	27 Nov 2023	0908_SD254_231127	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0150		0.0158		0.0158	
SD254	23 Apr 2024	0908_SD254_240423	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet	0.0005		0.0229		0.0247		0.0258	
SD254	20 Sep 2024	0908_SD254_240920	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0078		0.0078		0.0078	
SD255	07 Dec 2018	0908_FC1B_SD_181207	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0137		0.014		0.0145	
SD255	14 Jun 2019	0908_FC1B_SD_190614	Normal	NSW_0908_PFAS	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0024		0.0028		0.0028	
SD255	08 Nov 2019	0908_FC1B_SD_191108	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0004		0.0075		0.0095		0.0103	
SD255	12 Jun 2020	0908_SD255_200612	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0116		0.0127		0.0127	
SD255	13 Nov 2020	0908_SD255_201113	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0008		0.0094		0.0120		0.0134	
SD255	10 May 2021	0908_SD255_210510	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0023		0.0433		0.0477		0.0522	
SD255	26 Nov 2021	0908_SD255_211126	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0154		0.0161		0.0164	
SD255	27 May 2022	0908_SD255_220527	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0309		0.0317		0.0320	
SD255	15 Nov 2022	0908_SD255_221115	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0288		0.0295		0.0299	
SD255	16 May 2023	0908_SD255_230516	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0180		0.0184		0.0190	
SD255	27 Nov 2023	0908_SD255_231127	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0115		0.0122		0.0122	
SD255	23 Apr 2024	0908_SD255_240423	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0109		0.0109		0.0109	
SD255	20 Sep 2024	0908_SD255_240920	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet	0.0005		0.0366		0.0380		0.0388	
SD326	08 Nov 2019	0908_FC1C_SD_191108	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0013		0.0013		0.0013	
SD326	12 Jun 2020	0908_SD326_200612	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0003		0.0081		0.0090		0.0097	
SD326	13 Nov 2020	0908_SD326_201113	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0057		0.0063		0.0063	
SD326	10 May 2021	0908_SD326_210510	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	0.0011		0.0262		0.0283		0.0319	
SD326	26 Nov 2021	0908_SD326_211126	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0133		0.0139		0.0143	
SD326	27 May 2022	0908_SD326_220527	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0154		0.0160		0.0160	
SD326	15 Nov 2022	0908_SD326_221115	Normal	NSW_0908_PFASOMP	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0093		0.0098		0.0098	
SD326	16 May 2023	0908_SD326_230516	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0102		0.0106		0.0106	
SD326	27 Nov 2023	0908_SD326_231127	Normal	NSW_0908_PFASOMP_23	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0114		0.0118		0.0118	
SD326	23 Apr 2024	0908_SD326_240423	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet	<0.0002		0.0127		0.0131		0.0131	
SD326	20 Sep 2024	0908_SD326_240920	Normal	NSW_0908_PFASOMP_24	Other: Fullerton Cove (tidal gate outlet	0.0004		0.0233		0.0249		0.0258	

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

PFAS OMP data in 2024 monitoring period

Appendix F

SAQP

Prepared for
Department of Defence
ABN: 68 706 814 312

DRAFT

Sampling and Analysis Quality Plan

PFAS OMP - RAAF Base Williamtown

11-Sep-2024
PFAS Ongoing Monitoring Program - RAAF Base Williamtown
Doc No. 20240911_OMP002_WLM_SAQP_RevC

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Sampling and Analysis Quality Plan

PFAS OMP - RAAF Base Williamtown

Client: Department of Defence

ABN: 68 706 814 312

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List of Acronyms

Acronym	Term
ADWG	Australian Drinking Water Guidelines
AECOM	AECOM Australia Pty Ltd
AFFF	Aqueous Film Forming Foam
ALS	Australian Laboratory Services
ASC NEPM	Assessment of Site Contamination National Environment Protection Measure
ASTM	American Society for Testing and Materials
BoM	Bureau of Meteorology
CoC	Chain of Custody
CSM	Conceptual Site Model
DEMS	Demolition of Explosive Munitions Site
DO	Dissolved Oxygen
DoH	Department of Health
DQI	Data Quality Indicator
DQO	Data Quality Objective
EC	Electrical Conductivity
EDD	Electronic Data Deliverables
EDMS	Environmental Data Management System
EPA	Environment Protection Authority
ERA	Ecological Risk Assessment
ESA	Environmental Site Assessment
EScIS	Earth Science Information Systems
FFTA	Former Fire Training Area
FSANZ	Food Standards Australia New Zealand
HEPA	Heads of Environment Protection Authority
HHRA	Human Health Risk Assessment
HWC	Hunter Water Corporation
LCMS	Liquid Chromatography Mass Spectrometry
LOR	Limit of Reporting
MW	Monitoring Well
NATA	National Analytical Testing Authority
NEMP	National Environmental Management Plan
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NHMRC	National Health and Medical Research Council
NMI	National Measurement Institute

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Acronym	Term
NSW	New South Wales
OMR	Ongoing Monitoring Report
OMP	Ongoing Monitoring Plan
PFAS	Per- and poly-fluoroalkyl substances
PFHxS	Perfluorohexane sulfonic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonic acid
PMAP	PFAS Management Area Plan
QA/QC	Quality Assurance and Quality Control
Redox	Reduction-oxidation
RPD	Relative Percentage Difference
SAQP	Sampling and Analysis Quality Plan
SD	Sediment
SOP	Standard Operating Procedure
SW	Surface Water
SWL	Standing Water Level
TSCA	Tilligerry State Conservation Area
US EPA	United States Environmental Protection Agency
WQM	Water Quality Meter

List of Units

Units	Term
˚C	Degrees Celsius
µg/L	Micrograms per litre
µS/cm	MicroSiemens per centimetre
g	Gram
km	Kilometre
L	Litre
m	Metre
mAHD	Metre relative to Australian Height Datum
mbgl	Metre below ground level
mbTOC	Metres below Top of Casing
mg/kg	Milligram per Kilogram
mg/L	Milligrams per litre

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1.0 Introduction

1.1 Preamble

AECOM Australia Pty Ltd (AECOM) has prepared this Sampling and Analysis Quality Plan (SAQP) for the implementation of the per- and poly-fluoroalkyl substances (PFAS) Ongoing Monitoring Plan (OMP) at RAAF Base Williamtown (the 'base') and the surrounding off-base areas, including the Williamtown Management Area (refer to **Figure 1** in **Appendix A**).

The SAQP supports the *PFAS Ongoing Monitoring Plan – November 2023, RAAF Base Williamtown* (Defence, 2023a), here-in referred to as OMP (Defence, 2023a).

The purpose of the OMP (Defence, 2023a) is to collect data that will enable Defence to maintain an up to date understanding of the distribution, concentration, transport (migration pathways and rates) and transformation of PFAS at the base and Williamtown Management Area.

The data will assist in the timely identification of risks and inform Defence's approach to the management of PFAS, including updates and revisions to the PFAS Management Area Plan (PMAP) (Defence, 2023b).

Note that the initial three-year monitoring period was completed in June 2022, and this SAQP covers the upcoming sampling event that completes the two-year extension period, between July 2022 and June 2024.

1.2 SAQP Objectives

The objectives of this SAQP are to:

- define the proposed scope of works in detail
- outline the proposed sampling methodology to be adopted
- outline the proposed quality assurance and quality control (QA/QC) measures to be adopted
- define the data collection requirements for the project.

1.3 Scope of Works

To meet the objectives, the following scope of works are proposed as per the OMP (Defence, 2023a):

- monitor the nature and extent (spatial and temporal) of PFAS impact in groundwater, surface water, sediment and biota pathways associated with PFAS sources on the base derived from the historical use of aqueous film forming foam (AFFF)
- monitor the migration of PFAS in groundwater and surface water from the base, utilising newly obtained and historical data
- provide confirmation of the current understanding of risk
- provide supporting data for assessment of management actions, where relevant.

1.4 Guidelines and Legislation

The SAQP has been developed with reference to the following guidelines and legislation:

- Australian and New Zealand Guidelines, 2018. *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*
- Department of Defence, 2018. *Contamination Management Manual – Annex L Data Management*. August 2018, Amended June 2021
- Department of Defence, 2022. *PFAS Investigation and Management, Guidance Document E Standard PFAS Analytical Suite*. June 2022

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- Department of Health (DoH), 2017. *Health Based Guidance Values for PFAS for use in site investigations in Australia*. April 2017. This document is based on the works undertaken by Food Standards Australia New Zealand (FSANZ) in 2017 (FSANZ 2017)
- Heads of EPAs Australia and New Zealand (HEPA) 2020. *PFAS National Environmental Management Plan 2.0*. January 2020
- National Environment Protection Council (NEPC), 2013. *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)*
- National Health and Medical Research Council (NHMRC), 2019. *Guidance on PFAS in Recreational Water.* August 2019
- Standards Australia, 1998. AS/NZ 5667:1998 Water Quality – Sampling. Part 11: Guidance on sampling of groundwaters.

1.5 Background

The previous investigations carried out at the base prior to the implementation of the OMP include the Environmental Site Assessment (ESA) (AECOM, 2017a), the Off-Site Human Health Risk Assessment (HHRA) (AECOM, 2017b) and the Ecological Risk Assessment (ERA) (AECOM, 2018). These reports detailed the nature and extent of PFAS at the base and its associated risks, to both human and ecological receptors from sources of PFAS contamination related to legacy use of AFFF at the base.

The 2019 PMAP (Defence, 2019) was subsequently developed, and outlined the overall purpose and requirements of the OMP (AECOM, 2019a to 2019c).

To date, the following reports have been prepared under the previous OMP (AECOM, 2019a to 2019c):

- 21 OMP Sampling Event Factual Reports, as well as other flood or surface water specific event reports (AECOM, 2020a to 2020c, 2021b to 2021m, 2022a, 2022b, 2022d, 2023b, 2023c, 2024a, 2024b)
- three OMP Ongoing Monitoring Reports (AECOM, 2021a, 2022c and 2024c).

In 2023, Defence completed a review of the OMP following the initial three-year monitoring period, and the findings were provided in the OMP Review Report (AECOM, 2023a), which led to the development of an updated OMP (Defence, 2023a) in consultation with the New South Wales Environment Protection Authority (NSW EPA).

Since the 2019 PMAP, Defence has implemented much of the plan and reassessed what is now needed to best manage the contamination risks. The PMAP was updated in 2023 (Defence, 2023b), that sets out the updated plan to manage risks to human health and the environment from exposure to PFAS contamination.

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2.0 Site Setting

2.1 Site Description

The base is located on Medowie Road, approximately 15 km north of the City of Newcastle, in a rural and semi-rural setting. The base is an active airbase and occupies an area of approximately 800 ha and comprises 'landside' and 'airside' areas:

- landside areas are partially covered by hardstand and pavement consisting of concrete, asphalt roadways, and contain a large number of low-rise buildings, accommodation properties, workshops, aircraft hangars, fuel storage areas and storage facilities
- airside areas consist of taxiways, aprons and the main runway.

The base is located within the Tomago Sandbeds, with Newcastle Airport and rural residential properties located at the southern boundary. The base is located within the Port Stephens Council Local Government Area.

In November 2017, the NSW Government released the map of the Williamtown Management Area (refer to **Appendix B**), which comprises three zones that have been defined by the NSW government:

- **Primary Management Zone** – this area has significantly higher levels of PFAS detected and, therefore, the strongest precautionary advice applies
- **Secondary Management Zone** – this area has some detected levels of PFAS
- **Broader Management Zone** – the topography and hydrology of the area means PFAS detections could occur now and into the future.

The NSW government noted that each zone has tailored precautionary advice for residents to minimise exposure to PFAS coming from the base.

2.1.1 Regional Meteorology

The Bureau of Meteorology (BoM) RAAF Base Williamtown (station number 061078), located on-base, recorded data since 1942 to current day, presenting a record of approximately 82 years. The following is a summary of temperature and rainfall data for this period:

- mean monthly maximum temperatures have varied from 17.2°C in July to 28.3°C in January
- mean rainfall at the base is 1,124.7 mm per annum. The lowest recorded annual rainfall was 541.0 mm in 1980 and the highest annual rainfall was 1,793.7 mm in 1963. The highest monthly rainfall generally occurs between February and June (averaging approximately 117 mm per month), with the lowest rainfall in July to December (averaging approximately 74 mm per month).

The temperature and rainfall data for recent monitoring events is summarised below:

- mean monthly maximum temperature was 20.3 °C in May 2023 and 25.7 °C in November 2023
- total monthly rainfall was 86.6 mm in May 2023 and 65.4 mm in November 2023.

2.1.2 Topography and Geology

The Management Area is situated in an area associated with the Lower Hunter River. Its topography is dominated by dune systems to the north-north-west and the Stockton Dunes to the south-east, with flat, low-lying former swamp lands between.

The region is generally low lying and characterised by low sand dunes, sand sheets and estuarine mud flats. The topography is relatively flat with ground elevation ranging between approximately 10 m Australian Height Datum (m AHD) at the north of the base and approximately 2 m AHD in the south, near Fullerton Cove. A low lying, flat topography characterises the areas between Fullerton Cove and Tilligerry Creek with elevations between 1 and 3 m AHD.

The base and the majority of the northern half of the Management Area are underlain by the Tomago Sandbeds. The southern/ south-western parts of the Management Area are underlain by the Stockton Sandbeds. The geology of the Management Area can be divided into the following main features:

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- basement rocks formed during the Late Permian period
- unconsolidated deposits formed during the Pleistocene (Tomago Sandbeds) and Holocene (Stockton Sandbeds) periods, under marine, beach, back barrier, aeolian and estuarine environments
- Holocene estuarine sediments deposited between the unconsolidated sand deposits (i.e.Tilligerry Mud Member).

2.1.3 Hydrogeology

The hydrogeology of the Lower Hunter region is characterised by two unconfined sand aquifers which occur in the Tomago Sandbeds and the Stockton Sandbeds. PFAS source areas on the base are located on the Tomago Sandbeds and PFAS migration in groundwater appears to occur principally within that aquifer. Further migration of the PFAS plume appears to be restricted by the north-westerly groundwater flow of the Stockton Sandbeds and by the presence of the confining effects of the Tilligerry Mud Member.

Aquifer recharge is predominately from rainfall, with groundwater levels fluctuating markedly in response to rainfall patterns. Recharge of the aquifer has been reported to be at about 30% of the mean annual rainfall. The aquifers support several groundwater dependent ecosystems including wetlands and terrestrial vegetation.

The Tomago Sandbeds aquifer is within a ‘special requirements area’ due to its strategic importance to Hunter Water Corporation (HWC). HWC operates a borefield network of over 500 individual bores within the Tomago Sandbeds aquifer that are connected to pumping stations.

Within the Management Area there are more than 300 groundwater bores located on private land, the majority of which are inferred to draw water from shallow depths in the Tomago Sandbeds.

2.1.4 Vegetation

The base consists of approximately 240 ha of remnant native vegetation. The remnant native vegetation consists of the following dominant vegetation types (AECOM, 2018):

- broad-leaved Paperbark / Swamp Mahogany
- smooth-barked Apple / Red Bloodwood Open Forest
- Scribbly Gum Open Forest
- isolated mature Drooping Red Gum trees.

The base is surrounded on three sides (west, north and east) by the Tilligerry State Conservation Area (TSCA). The base and the TSCA are located on the Tomago Sandbeds which provide habitat to a variety of coastal vegetation communities, including the following (AECOM, 2018):

- Clay Wallum Scrub
- Earp’s Gum Sedge Woodland
- Paperbark-Apple-Mahogany Dry Swamp Forest
- Scribbly Gum-Apple-Bloodwood Forest
- Scribbly Gum-Bloodwood Wallum Woodland
- Swamp Mahogany Forest
- Tomago Blackbutt-Apple-Bloodwood Forest.

2.1.5 Surface Water Drainage

Surface water drainage at the base occurs via a number of sub catchments controlled by topography and a complex network of open and buried drains, discharging to the western/ southern boundary (to

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Dawsons Drain) and the eastern boundary of the base (to Moors Drain). Drainage patterns within the base continue to be modified by on-going redevelopment works.

The shallow groundwater table across the base fluctuates in response to rainfall conditions. On-base drains may gain (receive) groundwater when the groundwater table is elevated or lose (soak) to groundwater when the groundwater table is lower. It appears that the on-base piped stormwater drainage network interacts with the shallow groundwater.

A large proportion of surface runoff from central and western areas of the base is collected by Lake Cochran, which is considered to be a source of localised groundwater recharge.

Key drainage channels that receive surface water from the base include Dawsons Drain, Moors Drain, and (indirectly) Fourteen Foot Drain and Ten Foot Drain to the south-west of the base, which discharge towards the Fullerton Cove Ring Drain and hence Fullerton Cove via tidal gates.

2.1.6 Current Surrounding Land Use

The current land uses of the surrounding off-base areas include the following:

- a mix of commercial/ industrial activities adjacent to the southern boundary of the base. This area is likely to expand over the coming years as demand increases at Newcastle Airport
- a mix of residential and rural residential holdings with some agricultural properties
- Tilligerry State Conservation Areas to the west, north and east
- Hunter Water Corporation lands to the west
- sand mining and quarry operations to the west of the base on Cabbage Tree Road.

2.2 Conceptual Site Model

The Conceptual Site Model (CSM) is presented in the PMAP (Defence, 2023b) which summarises the linkages between sources, exposure pathways and receptors, which was based on the assessments of risk exposure pathways.

The CSM identified key primary PFAS source areas (where AFFF containing PFAS is understood to have been used or disposed of in the past) and secondary PFAS source areas (where PFAS has migrated to a location where it creates a concentration of impact). Additional monitoring and investigation has improved the understanding of these source areas to inform the management requirements. The key sources are as follows:

- Western Region - characterised by the Former Fire Training Area (FFTA) source that is now remediated, and a PFAS groundwater plume extending south away from the source.
- Central Region - characterised by ongoing sources at the Former Fire Training Pad / Current Fire Station (Facility 165) and the Sewage Treatment Plant (Facility 410); with PFAS groundwater plumes extending south across the base boundary.
- Eastern Region - characterised by likely sources at the Trade Waste Treatment Plant (Facility 480) and a Former Fuelling Area, with PFAS groundwater plumes extending east across the base boundary, and PFAS impacted surface water discharges to Moors Drain.

The concentrations of PFAS south of the site and north of Cabbage Tree Rd were likely sourced from Lake Cochran, which was impacted when AFFF foams were still in use at the base. However, Lake Cochran is no longer considered a significant ongoing PFAS source to groundwater. PFAS in the central southern plume discharges into Leary's and Dawsons Drain.

The HHRA (AECOM, 2017b) considered potential PFAS exposure pathways that could contribute to overall PFAS exposure. These pathways included consideration of human health risks to identified off-base human receptors as a result of exposure to elevated PFAS concentrations reported in soil, groundwater, surface water, sediment, terrestrial biota and seafood within the Management Area (excluding the base). The HHRA (AECOM, 2017b) concluded that if people within the Williamtown Management Area follow the NSW Government precautionary advice, their exposure to PFAS is unlikely to exceed the tolerable daily intake.

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The exposure pathways with elevated PFAS exposure, included but not limited to:

- drinking groundwater (Management Area)
- incidental ingestion of groundwater from indoor use (Primary Management Zone) and outdoor use (Primary and Secondary Management Zones)
- eating home produced eggs, beef and milk (Management Area)
- eating home grown vegetables (Management Area)
- eating high quantities of locally sourced finfish (Hunter River Estuary, Fullerton Cove and Tilligerry Creek)

Ecological receptors who may be exposed to PFAS via the following:

- toxicity to terrestrial and aquatic organisms from direct exposure to PFAS in soil, sediment or surface water. Applies to drains in Management Area, including Dawsons Drain and Moors Drain
- consumption of organisms that have been exposed to PFAS where bioaccumulation is occurring.

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3.0 Data Quality Objectives

3.1 DQO Process

The amended National Environmental Protection Measure (NEPM, Schedule B [2]) *Guideline on Site Characterisation* (2013) specifies that the nature and quality of the data produced in an investigation will be determined by the Data Quality Objectives (DQOs). As referenced by the NEPM, the DQO process is detailed in the United States Environmental Protection Agency (US EPA) *Guidance on Systematic Planning Using the Data Quality Objectives Process (EPA QA/G-4: EPA/240/B-06/001), February 2006.*

The US EPA defines the process as *'a strategic planning approach based on the Scientific Method that is used to prepare for a data collection activity. It provides a systematic procedure for defining the criteria that a data collection design should satisfy, including when to collect samples, where to collect samples, the tolerable level of decision errors for the study, and how many samples to collect'.*

The process of establishing appropriate DQOs is defined according to the following seven steps:

Table 1 The seven steps in defining DQOs

Step	Data Quality Objective Step
1	**State the problem** – Define the problem that necessitates the study; identify the planning team, examine budget, schedule.
2	**Identify the goal of the study** – State how environmental data will be used in meeting objectives and solving the problem, identify study questions, define alternative outcomes.
3	**Identify information inputs** – Identify data and information needed to answer study questions.
4	**Define the boundaries of the study** – Specify the target population and characteristics of interest, define spatial and temporal limits, scale of inference.
5	**Develop the analytic approach** – Define the parameter of interest, specify the type of inference, and develop the logic for drawing conclusions from findings.
6	**Specify performance or acceptance criteria** – Develop performance criteria for new data being collected or acceptable criteria for existing data being considered for use.
7	**Develop the plan for obtaining data** – Select the resource-effective sampling and analysis plan that meets the performance criteria.

The approach adopted relative to the seven steps presented above is discussed below.

3.1.1 Step 1 – State the Problem

Defence and State agencies require up-to-date data to enable informed risk management decisions to protect human health and the environment, given that elevated concentrations of PFAS have been identified in environmental media.

Defence requires an understanding of the holistic effect of PFAS management response activities that have and will be implemented.

The data collected by implementing this OMP (Defence, 2023a) will provide a detailed dataset that can be used to assist with assessment of temporal changes in PFAS concentrations in groundwater, surface water and sediment on- and off-base, and biota (sentinel species) in Fullerton Cove. This will facilitate refinement of the CSM, allow update of the human health and ecological risk assessment and inform management decisions by Defence and NSW EPA, and possibly other government agencies, if required.

Additionally, the temporal monitoring of PFAS concentrations in selected biota aims to provide data necessary to support and/or update the ongoing advice relating to minimising exposure (e.g. consumption of seafood).

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3.1.2 Step 2 – Identify the Decision / Goal of the Study

The goal of the study is to establish a systematic routine groundwater, surface water, sediment and biota sampling and analysis program to provide current and on-going information on the distribution of PFAS (contaminants of potential concern) in groundwater, surface water, sediment and biota.

The information can be utilised by Defence and State agencies. The key issues are:

1. What is the optimum monitoring well network, surface water / sediment and biota locations that can be sampled to meet the objectives of the OMP?
2. What is analytical suite for each monitoring well / sampling point?
3. What frequency of sampling required?
4. Are the laboratory Limits of Reporting (LOR) appropriate for the objectives of the OMP?
5. Are the reported concentrations similar, greater than or less than those previously reported?
6. Are the concentration trends increasing, decreasing or stable?
7. If the concentrations of contaminants are found to be outside of an acceptable range, what actions should be implemented?
8. If the concentrations of contaminants are found to be inside a trigger value or acceptable range, what actions should be implemented?
9. Are the data reliable and adequate to enable informed decisions to be made by Defence / State agencies?
10. Is the approach scientifically suitable and defensible?

3.1.3 Step 3 – Identify Information Inputs

To allow assessment of the data against the study goal listed in Step 2 above, the following inputs will be considered:

- PFAS results from previous environmental investigations
- Meteorological data including rainfall
- Previous data collected during the implementation of the 2019 OMP
- Data collected during PFAS remediation management activities
- Groundwater, surface water, sediment and biota data collected and analysed for PFAS, as part of this OMP (Defence, 2023a)
- Advances in laboratory analytical approaches and changes in regulatory requirements.

3.1.4 Step 4 – Define the Boundaries of the Study

The spatial and temporal boundaries that apply for data collection are detailed below and will influence the decision-making process for ongoing monitoring:

- The spatial boundary for data collection is the base and Management Area
- The sampling completed as part of the OMP will be limited to groundwater, surface water, sediment and biota, at the frequencies defined in **Section 4.2**
- The monitoring will be ongoing.

The OMP has covered the initial four year monitoring period (November 2019 – November 2023) of the PMAP and will continue after the remediation / management actions have ended. This is the timeframe over which PMAP remediation actions (or other short-medium term actions) have been completed, and the monitoring following this period will be assessed with advice from NSW Government.

The OMP will also cover the extended implementation period to the extent required by specific characteristics of the base and surrounds and behaviour of the plume, measured against specified data trends.

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3.1.5 Step 5 – Develop the Analytical Approach

The decision rules can be defined as:

- Analytical selection; all samples will be analysed for PFAS standard analytical suite at the standard limit of reporting (LOR)
- Analytical method selection for PFAS is based on achieving appropriate laboratory LOR in the various media to be analysed
- Sample locations have been selected with the objective of monitoring PFAS trends (temporal and seasonal), providing early warning of changes in the migration of PFAS in surface water and groundwater
- If the laboratory QA/QC data are within the acceptable ranges, the data will be considered suitable for use
- If PFAS concentrations are reported above the laboratory LOR, where it was previously <LOR, then it will be considered whether further assessment of the data will be required
- If the PFAS is reported at a concentration that is above drinking water guideline in groundwater, where it was previously below the adopted screening criteria value, then it will be considered that further assessment is required and / or notification
- If the PFAS is reported at a concentration that is above recreational use water guideline in surface water, where it was previously below the adopted screening criteria value, then it will be considered that further assessment is required and / or notification
- If the PFAS is reported at a concentration that is inside a trigger value or acceptable range, then it will be considered whether monitoring is continued or reduced, **this assessment will be undertaken after two years of monitoring.**

The decision on the acceptance of the analytical data should be made on the basis of the Data Quality Indicators (DQIs) as follows:

- **Precision:** A quantitative measure of the variability (or reproducibility) of data
- **Accuracy**: A quantitative measure of the closeness of reported data to the “true” value
- **Representativeness**: The confidence (expressed qualitatively) that data are representative of each media present on base
- **Completeness**: A measure of the amount of useable data from a data collection activity
- **Comparability**: The confidence (expressed qualitatively) that data may be considered to be equivalent for each sampling and analytical event.

3.1.6 Step 6 – Specify Performance or Acceptance Criteria

Specific limits for the works included in the OMP (Defence, 2023a) are in accordance with the appropriate guidance made or endorsed by state and national regulations, appropriate indicators of data quality, and standard procedures for field sampling and handling.

This step also examines the certainty of conclusive statements based on the available new data collected. This should include the following points to quantify tolerable limits:

- A decision can be made based on a certainty assumption of 95% confidence in any given data set. A limit on the decision error will be 5% that a conclusive statement may be a false positive or false negative
- A decision error in the context of the decision rule presented above would lead to either underestimation or overestimation of the risk level associated with a particular sampling area
- Sampling errors may occur when the sampling program does not adequately detect the variability of a contaminant from point to point across the base. To address this, the OMP outlines minimum numbers of samples proposed to be collected from each media

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- As such, there may be limitations in the data if aspects of the OMP cannot be implemented. Some examples of this scenario include but are not limited to:
  - proposed surface water sample locations may be dry at the time of sampling
  - proposed groundwater well locations are damaged or destroyed and therefore cannot be sampled
  - proposed samples are not collected due to access being restricted to a given location.
- Limitations in ability to acquire useful and representative information from the data collected. The data are proposed to be collected from multiple locations and sample media. An example of this scenario includes:
  - Some of the data are proposed to be collected from landholder bores, which are not purpose-built for groundwater monitoring. In some cases, there is limited information on the bore construction, and the likely presence of dedicated pumps may prevent groundwater depths being accurately recorded while also preventing groundwater being sampled using HydraSleeves™.
- Measurement errors can occur during sample collection, handling, preparation, analysis and data reduction. To address this the following measures are proposed:
  - Collection of sufficient sample mass to facilitate analysis reported to standard laboratory detections limits. Collection of insufficient sample mass may result in raised detection limits
  - Field staff to follow a standard procedure when collecting samples, including decontamination of tools, and use of appropriate sample containers and preservation methods
  - Laboratories to follow a standard procedure when preparing samples for analysis and undertaking analysis
  - Laboratories to report QA/QC data for comparison with the DQIs established for the OMP (Defence, 2023a).

3.1.7 Step 7 – Optimise the Design for Obtaining Data

The methodology presented in this SAQP is designed to meet the Project objectives and to achieve the nominated DQOs. Optimisation of the data collection process will be achieved by:

- Working closely with the analytical laboratories and sampling equipment suppliers to ensure that appropriate procedures and processes are developed and implemented prior to and during the fieldwork, to ensure that sample handling, and transport to and processing by the analytical laboratories is appropriate
- Conducting sampling according to Australian Standards for the type of sampling being conducted (i.e. groundwater monitoring well sampling versus landholder bore water sampling). This standard is: Standards Australia (AS/NZS5667.11–1998) *Water Quality – Sampling, part 11: Guidance on sampling of groundwater*
- Basing the sampling upon a CSM developed using the information available at the implementation of the OMP (Defence, 2023a). Updating the CSM as new data becomes available in the course of the implementation of the OMP (Defence, 2023a), as required.

If the objectives of the OMP (Defence, 2023a) are not being met, the sampling design and approach will be reviewed and amended, as required.

3.2 Assessment of Data Quality

The quality of data collected as part of the sampling will be assessed on a range of factors including:

- documentation and data completeness; and

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- data quality – comparability, representativeness, precision and accuracy of the analytical data.

The project target for data completeness is to achieve 95% of data as suitable for use. The acceptance criteria for DQIs for samples are specified in **Table 2**.

Table 2 Acceptance Criteria for Data Quality Indicators for Sample Analysis

Data Quality Indicators (Water and Sediment Samples)	**Acceptance Criteria**
Field Program	Sampling to be completed by suitably qualified and experienced field teams employing appropriate sampling procedures.
Rinsate Blanks	Rinsate blank samples are to be collected at a rate of one per day of sampling (where sampling equipment is reused). Concentrations of PFAS should be less than the laboratory LOR.
Field duplicates/Inter-laboratory duplicates	Field duplicates and inter-laboratory duplicates are to be collected and analysed at a rate of 10% (1 per 10 primary samples). The relative percentage differences (RPD) will be assessed as acceptable if less than or equal to 30% as per the NEPM Schedule B3. Where the results show greater than 30% difference a review of the cause will be conducted (NEPM, 2013). It is noted that RPDs that exceed this range may be considered acceptable where: • results are less than 10 times the LOR (no limit) • results are between 10 and 20 times the LOR and the RPD is less than 50% • heterogeneous materials are encountered.
Laboratory duplicates	The RPD will be assessed as acceptable based on the magnitude of the result: • 0-20% for results more than 20 times the LOR • 0-50% for results between 10 and 20 times the LOR • No limit for results between 0 and 10 times the LOR
Matrix spikes	Recoveries between 70-130% of the theoretical recovery or as nominated in the laboratory's Quality Control report.
Method blanks	Less than the laboratory LOR.
Laboratory control samples	Recoveries between the laboratory-specified range for each particular analyte/analytical suite.

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4.0 Sampling Location Rationale and Methodology

4.1 OMP

The OMP (Defence, 2023a) presents an overview of specific monitoring works to be undertaken and provides the basis for the preparation of this SAQP. This scope of works presented in this SAQP is consistent with that detailed in the OMP (Defence, 2023a).

4.2 Proposed Schedule

The key element of the OMP (Defence, 2023a) is six monthly groundwater, surface water and sediment sampling on- and off-base, and biota sampling biennially (every two years). This includes:

- An autumn comprehensive sampling and analysis event for the first of the biannual groundwater, surface water and sediment sampling events timed to occur in March / April
- A spring targeted sampling and analysis event for the second of the biannual groundwater, surface water and sediment sampling events timed to occur in September / October to target key monitoring wells
- Biota sampling for sentinel species in Fullerton Cove to occur every second year.

The rationale for these elements is summarised below:

- The six-monthly monitoring to occur:
    - **Autumn** (March / April), during high average rainfall period (128 mm for March and 109 mm for April) based on Bureau of Meteorology (BoM) Williamtown RAAF weather station (number 061078); and
    - **Spring** (September / October), during low average rainfall period (60 mm for September and 76 mm for October) based on BoM.

  It is considered that relatively higher contamination concentrations may occur in groundwater and surface water systems during the high average rainfall periods due to the effects of higher infiltration rates through the unsaturated zone which may mobilise contaminants.
- The monitoring event targeting low average rainfall period will increase the understanding of changes in PFAS concentrations in groundwater at discrete locations, considered to be of importance for understanding trends (for example bores close to source areas, base boundaries and creek systems), or locations with higher sensitivity (groundwater sample locations with concentrations close to screening criteria, areas with fewer monitoring locations).

The schedule of fieldworks under the OMP (current and previous) is presented in **Table 3** below.

Table 3 Fieldwork Schedule

Sampling Round No.	Description of works	Proposed Schedule
1	Biannual groundwater, surface water, sediment and soil sampling	November 2019 (Completed)
2	Biota sampling	January 2020 (Completed)
3	Annual groundwater, surface water, sediment and soil sampling	May 2020 (Completed)
4	Flood water sampling	July 2020 (Completed)
5	Biannual groundwater, surface water, sediment and soil sampling, surface water max flux baseline sampling	November 2020 (Completed)
6	Surface water mass flux event	December 2020 (Completed)

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Sampling Round No.	Description of works	Proposed Schedule
7	Surface water mass flux event	January 2021 (Completed)
8	Biota sampling	February 2021 (Completed)
9	Annual groundwater, surface water, sediment and soil sampling	May 2021 (Completed)
10	Biannual groundwater, surface water, sediment and soil sampling	November 2021 (Completed)
11	Biota sampling	February 2022 (Completed)
12	Annual groundwater, surface water, sediment and soil sampling	May 2022 (Completed)
13	Biannual groundwater, surface water, sediment and soil sampling	November 2022 (Completed)
14	Annual groundwater, surface water, sediment and soil sampling	May 2023 (Completed)
15	Biannual groundwater, surface water and sediment sampling	November 2023 (Completed)
16	Biota sampling	January to April 2024 (Completed)
17	Annual groundwater, surface water and sediment sampling	April 2024 (Completed)
18	Biannual groundwater, surface water and sediment sampling	September 2024

4.3 Sampling Locations

4.3.1 Groundwater Sample Location Rationale

Groundwater monitoring will be undertaken on selected monitoring wells, Hunter Water bores and residential bores. The OMP (Defence, 2023a) will monitor water quality in the shallow and deep portions of the Tomago Sandbeds aquifer. The current understanding of the CSM is that PFAS concentrations in the intermediate groundwater (approximate depth of 12 m bgs) are similar to that of the deeper portions (approximate depth of 20 m bgs) of the aquifer, and hence will not be targeted.

The rationale for monitoring well selection for each area is summarised in **Table 4** below.

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Table 4 Groundwater Sample Location Rationale

Area	Rationale
On-base	• Monitor spatial and temporal variations in PFAS concentrations in groundwater concentrations up, down and gross-gradient of source areas • Monitoring of PFAS concentrations in groundwater within and downgradient of the source areas to assess change in response to management measures over time • Monitoring of HWC assets that are in close proximity to the PFAS plume to inform risk to a potential drinking water supply • Monitoring of sentinel wells for Pump Station 7 located on-base • Monitoring of PFAS concentrations in groundwater within the on-base Moors Drain Catchment, targeting elevated PFAS concentrations detected during recent PFAS characterisation studies. • Continue to monitor groundwater wells with existing temporal datasets to assist with better understanding of temporal patterns in PFAS concentrations • Monitoring of groundwater on transects parallel and perpendicular to plume, and at shallow and deep portions of the aquifer to assist with understanding concentrations changes in the nominated transect alignments.
East of base	• Monitor spatial and temporal variation in PFAS concentration in groundwater up and down hydraulic gradient of HWC asset Pumping Station 9 • Continue to monitor groundwater wells with existing temporal datasets to assist with better understanding of temporal patterns in PFAS concentrations • Monitor potential changes in PFAS concentrations at the plume margins to refine model predictions and provide an indication of additional management of PFAS to groundwater users outside the current plume • Monitor groundwater adjacent to Moors Drain to assess PFAS migrating from the drain to groundwater • Monitor groundwater on transects parallel and perpendicular to the plume, and at shallow and deep portions of the aquifer to assist with understanding concentration changes in the nominated transect alignments.
West of base	• Monitor the western edge of the plume in relation to HWC asset Pumping Station 5 at sentinel locations • Monitor the movement of PFAS from the former Fire Training Area (FFTA) towards southern boundary (within the Demolition of Explosive Munitions Site (DEMS) Area) • Monitor groundwater wells on transects parallel and perpendicular to plume, and at shallow and deep portions of the aquifer to assist with understanding concentrations changes in the nominated transect alignments.

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Area	Rationale
Southern Area	• Monitor potential changes in PFAS concentrations at the plume margins in the Southern Area (Primary Management Zone) to refine model predictions • Continue to monitor groundwater wells with existing temporal datasets to assist with better understanding of temporal patterns in PFAS concentrations • Monitor groundwater on transects parallel and perpendicular to plume, and at shallow and deep portions of the aquifer to assist with understanding concentrations changes in the nominated transect alignments.
Cabbage Tree Road	• Monitor potential changes in PFAS concentrations to refine model predictions and provide an indication of additional management of PFAS to groundwater users outside the current plume • Continue to monitor the isolated detections of PFAS in groundwater that have been considered to be associated with unconfirmed mechanisms. This may include transport of PFAS via surface water, flooding or an unidentified source • Continue to monitor wells with existing temporal datasets to assist with better understanding of temporal patterns in PFAS concentrations • Monitor groundwater on transects parallel and perpendicular to plume, and at shallow and deep portions of the aquifer to assist with understanding concentrations changes in the nominated transect alignments.
Lavis Lane	• Monitor the plume to the south east of the base and in the Lavis Lane area • Monitor groundwater adjacent to Fourteen Foot Drain • Monitor potential changes in PFAS concentrations at the plume margins to refine model predictions and provide an indication of additional management of PFAS to groundwater users outside the current plume • Continue to monitor wells with existing temporal datasets to assist with better understanding of temporal patterns in PFAS concentrations • Monitor groundwater on transects parallel and perpendicular to plume, and at shallow and deep portions of the aquifer to assist with understanding concentrations changes in the nominated transect alignments.
Salt Ash	• Monitor the isolated detections of PFAS in groundwater in Salt Ash that have been considered to be associated with unconfirmed mechanisms. This may include transport of PFAS via surface water, flooding or an unidentified source • Monitor potential changes in PFAS concentrations at the plume margins to refine model predictions and provide an indication of additional management of PFAS to groundwater users outside the current plume • Continue to monitor wells with existing temporal datasets to assist with better understanding of temporal patterns in PFAS concentrations • Monitor groundwater on transects perpendicular to the plume, and at shallow and deep portions of the aquifer to assist with understanding concentrations changes in the nominated transect alignments.

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Area	Rationale
Fullerton Cove	• Monitor the isolated detections of PFAS in groundwater that have been considered to be associated with unconfirmed mechanisms. This may include transport of PFAS via surface water, flooding or an unidentified source • Monitor potential changes in PFAS concentrations to refine model predictions • Continue to monitor wells with existing temporal datasets to assist with better understanding of temporal patterns in PFAS concentrations.

4.3.2 Groundwater Sampling Locations

The groundwater locations to be monitored on a biannual (six-monthly) and/or annual basis are provided in **Table 5** below and are presented on **Figures 1** to **4** in **Appendix A**.

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Table 5 Groundwater Monitoring Locations

On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Top of Casing Elevation (m AHD)	Screen Interval (mbgl)	Sampling Frequency	Total
On-Base	Former & Current Fire Station (Facility 165)	MW196	-	391067.540	6371029.000	6.760	0.8 - 3.8	Annual	7
		MW198	-	391345.470	6370725.360	6.110	0.8 - 3.8	Annual	
		MW200	-	390988.640	6370792.480	6.470	1 - 4	Annual	
		MW201D	MW201_D	391156.130	6370617.920	5.810	18.1 - 19.6	Annual	
		MW201S	MW201_S	391157.420	6370619.430	5.800	1 - 4	Annual	
		MW202D	MW202_D	391123.470	6370312.140	5.170	19.5 - 21	Annual	
		MW202S	MW202_S	391124.490	6370312.950	5.210	0.8 - 3.8	Annual	
	Former DEMS Landfill (Facility 394)	MW171D	MW171_D	390238.080	6370367.200	4.970	18.8 - 20.3	Annual	13
		MW171S	MW171_S	390238.630	6370369.860	5.020	0.7 - 3.7	Annual	
		MW172	-	390381.890	6370326.900	4.880	0.7 - 3.7	Biannual	
		MW240D	MW240_D	389953.970	6370418.760	5.742	18.5 - 20	Biannual	
		MW281S	MW281_S	390096.831	6370391.813	5.290	1 - 4	Biannual	
		MW282S	MW282_S	390029.022	6370401.492	5.370	1 - 4	Biannual	
		MW329	-	390061.870	6370398.025	6.1215	2.4 – 5.39	Biannual	
		MW340D	MW340_D	389908.339	6370109.093	4.9554	17 - 20	Biannual	
		MW340S	MW340_S	389904.372	6370106.927	4.96194	2 - 5	Biannual	
		MW342D	MW342_D	390047.305	6370082.577	4.76384	17 - 20	Biannual	
		MW344D	MW344_D	390174.365	6370020.042	4.52071	17 - 20	Biannual	
		MW344S	MW344_S	390170.968	6370020.705	4.77721	2 - 5	Biannual	
		MW354	-	390017.342	6370094.311	4.99285	2 - 5	Biannual	

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On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Top of Casing Elevation (m AHD)	Screen Interval (mbgl)	Sampling Frequency	Total
On-Base	Former Fire Training Area (Facility 479)	MW166	-	390180.440	6371071.560	7.100	0.8 - 3.8	Biannual	5
		MW167	-	390173.610	6370916.820	7.190	0.7 - 3.7	Biannual	
		MW168	-	390283.560	6370972.820	6.780	0.7 - 3.7	Biannual	
		MW169D	MW169_D	390286.310	6370678.240	5.800	18 - 19.5	Biannual	
		MW169S	MW169_S	390286.100	6370676.810	5.830	0.7 - 3.7	Biannual	
	HWC Pump Station 7 (PS7)	MW134D	MW134_D	390841.655	6371311.353	8.750	18.5 - 20	Annual	6
		MW134I	MW134_I	390840.764	6371311.745	8.710	10 - 11.5	Annual	
		MW245D	MW245_D	390873.232	6371892.027	9.311	18.5 - 20	Annual	
		MW245S	MW245_S	390873.171	6371892.968	9.292	1 - 4	Annual	
		MW317D	MW317_D	391074.310	6371493.500	7.960	18.5 - 20	Annual	
		MW317S	MW317_S	391074.570	6371495.370	7.970	1 - 4	Annual	
	Lake Cochran	MW108D	MW108_D	390150.053	6369806.549	3.080	18.5 - 20	Biannual	8
		MW108S	MW108_S	390150.040	6369805.272	2.950	2 - 5	Biannual	
		MW109D	MW109_D	391022.625	6369664.782	3.157	18.5 - 20	Biannual	
		MW175D	MW175_D	390748.110	6369705.670	4.110	19.5 - 21	Biannual	
		MW179D	MW179_D	391061.230	6370026.550	4.760	18.5 - 20	Annual	
		MW179S	MW179_S	391062.530	6370026.330	4.710	0.8 - 3.8	Annual	
		MW466	W66	390771.594	6369702.376	4.320	unknown	Biannual	
		MW468	W68	390870.680	6369687.930	4.020	unknown	Biannual	
	North-East Landfill	MW406	W6	392381.420	6371741.140	8.270	unknown	Annual	1
	Northern Boundary	MW155	MW155, MW155D	391628.530	6371705.370	7.960	1.5 - 3.8	Annual	1

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On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Top of Casing Elevation (m AHD)	Screen Interval (mbgl)	Sampling Frequency	Total
On-Base	Trade Waste Treatment (Facility 480)	MW106D	MW106_D	392480.672	6370432.290	4.770	18.5 - 20	Biannual	8
		MW106S	MW106_S	392479.396	6370433.468	4.678	3.5 - 5	Biannual	
		MW208	-	392206.680	6371122.880	6.990	1.2 - 4.2	Annual	
		MW210D	MW210_D	392148.550	6370846.040	7.350	18.5 - 20	Annual	
		MW210S	MW210_S	392149.680	6370843.300	7.220	2 - 5	Annual	
		MW304	BH531	392309.32	6371014.01	8.29	0.6 - 5.5	Annual	
		MW441	W41	392263.938	6371042.324	7.669	5 - 6	Annual	
		MW886	DFIG_MW02	392307.298	6371236.578	7.91	2 - 5	Annual	
Off-Base	Cabbage Tree Road	MW125D	MW125_D	389753.894	6368475.203	2.173	18.5 - 20	Biannual	11
		MW125S	MW125_S	389754.887	6368474.495	2.197	6 - 7.5	Biannual	
		MW126D	MW126_D	390861.585	6368364.380	1.794	18.5 - 20	Biannual	
		MW126S	MW126_S	390859.700	6368364.000	1.790	5.5 - 7	Biannual	
		MW139	-	-	-	1.986	1 - 4	Biannual	
		MW178	-	389989.490	6368679.850	1.760	1.2 - 4.2	Biannual	
		MW230S	MW230_S	-	-	0.939	2.5 - 4	Biannual	
		MW238D	MW238_D	-	-	2.211	18.5 - 20	Biannual	
		MW238S	MW238_S	-	-	2.270	1 - 4	Biannual	
		POT085	BWS085	-	-	n/a	n/a	Annual	
		POT107	BWS107	-	-	n/a	n/a	Annual	
	East of Site - HWC Pump Station 9 (PS9)	MW130D	MW130_D	393004.197	6371405.978	5.858	15 - 16.5	Biannual	14
		MW130S	MW130_S	393002.625	6371406.828	5.794	1 - 4	Biannual	
		MW132D	MW132_D	392897.695	6370765.961	6.138	15 - 16.5	Biannual	

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On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Top of Casing Elevation (m AHD)	Screen Interval (mbgl)	Sampling Frequency	Total
Off-Base	East of Site - HWC Pump Station 9 (PS9)	MW132S	MW132_S	392896.755	6370766.519	6.082	3 - 6	Biannual	
		MW159D	MW159_D	393918.000	6371319.400	5.260	18.5 - 20	Annual	
		MW159S	MW159_S	393918.570	6371319.290	4.987	0.7 - 3.7	Annual	
		MW160	-	393345.050	6370675.530	4.212	1 - 4	Biannual	
		MW318D	MW318_D	393430.690	6370254.380	2.630	18.5 - 20	Annual	
		MW318S	MW318_S	393430.740	6370255.700	2.670	1 - 4	Annual	
		MW829	PS9_BORE 30, MW652	393331.000	6370871.000	unknown	unknown	Biannual	
		MW842	SK3496_D	393087.000	6372057.000	unknown	unknown	Annual	
		MW844	SK3496_S	393087.000	6372057.000	unknown	unknown	Annual	
		MW897D	-	392732.38	6371335.8	7.34	17 - 20	Annual	
		MW897S	-	392731.69	6371333.83	7.44	3 - 6	Annual	
	East of Site – Moors Drain	MW121	-	393402.288	6369534.793	1.589	4.5 - 6	Annual	6
		MW161D	MW161_D	394144.090	6370281.980	2.057	18.8 - 23.3	Annual	
		MW161S	MW161_S	394144.490	6370280.230	2.052	1 - 4	Annual	
		MW247D	MW247_D	393434.921	6369931.136	2.529	18.5 - 20	Biannual	
		MW247S	MW247_S	393437.342	6369931.614	2.468	1 - 4	Biannual	
		POT046	BWS046	-	-	n/a	n/a	Annual	
	East of Site – Nelson Bay Road	MW122	-	395353.806	6370014.338	1.851	5.5 - 7	Annual	3
		MW162D	MW162_D	394497.850	6369568.440	2.876	18.6 - 20.1	Annual	
		MW162S	MW162_S	394497.180	6369567.050	2.838	1.5 - 4.5	Annual	

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On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Top of Casing Elevation (m AHD)	Screen Interval (mbgl)	Sampling Frequency	Total
Off-Base	Fullerton Cove	MW147D	MW147_D	-	-	0.810	23.7 - 26.7	Annual	10
		MW147S	MW147_S	-	-	0.710	1 - 4	Annual	
		MW231D	MW231_D	-	-	0.571	16 - 17.5	Biannual	
		MW231S	MW231_S	-	-	0.625	1 - 4	Biannual	
		MW232D	MW232_D	391685.900	6367694.410	1.324	18.5 - 20	Biannual	
		MW232S	MW232_S	391686.550	6367693.690	1.148	1 - 4	Biannual	
		MW270D	MW270_D	-	-	1.412	18.5 - 20	Bi-annual	
		MW270S	MW270_S	-	-	1.411	2 - 4	Bi-annual	
		POT236	BWS236	-	-	n/a	n/a	Annual	
		POT382	-	-	-	n/a	n/a	Biannual	
	Lavis Lane	MW128D	MW128_D	392595.830	6368186.070	0.843	9.3 - 10.3	Biannual	6
		MW128S	MW128_S	392594.050	6368185.389	0.909	4.7 - 6.2	Biannual	
		MW163	-	393228.090	6368715.090	1.207	0.5 - 3.5	Annual	
		MW195	-	391861.030	6368367.600	1.050	0.8 - 3.8	Annual	
		MW279S	MW279_S	392270.061	6368420.027	1.295	0.8 - 3.8	Biannual	
		MW316D	MW316_D, MW319D	393238.400	6368714.460	1.200	18 - 20	Annual	
	North of Site – Background	MW264D	MW264_D	391342.219	6372823.069	9.347	18.5 - 20	Biannual	2
		MW264S	MW264_S	391341.189	6372822.252	9.492	1 - 4	Biannual	
	Salt Ash	MW118	-	396874.979	6371821.789	1.674	4.5 - 6	Annual	12
		MW123	-	396612.431	6371006.705	1.524	4.5 - 6	Annual	
		MW252S	MW252_S	396036.337	6371201.447	1.103	1 - 4	Annual	

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On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Top of Casing Elevation (m AHD)	Screen Interval (mbgl)	Sampling Frequency	Total
Off-Base	Salt Ash	MW255D	MW255_D	397301.190	6371001.280	1.260	18.5 - 20	Annual	
		MW255S	MW255_S	397301.590	6371002.620	1.258	1 - 4	Annual	
		MW256D	MW256_D	397345.350	6371814.030	1.534	18.5 - 20	Annual	
		MW256S	MW256_S	397343.940	6371812.750	1.518	1 - 4	Annual	
		MW257D	MW257_D	397433.640	6372046.790	1.819	18.5 - 20	Annual	
		MW257S	MW257_S	397433.620	6372045.200	1.639	1 - 4	Annual	
		MW260D	MW260_D	398217.180	6371740.430	2.080	18.5 - 20	Annual	
		MW260S	MW260_S	398216.560	6371738.790	2.124	1 - 4	Annual	
		POT144	BWS144	-	-	n/a	n/a	Annual	
	South of Site – Nelson Bay Road	MW150D	MW150_D	392214.992	6369348.446	2.143	18.5 - 20	Annual	2
		MW150S	MW150_S	392215.800	6369349.000	2.111	0.6 - 3.6	Annual	
	Southern Area	MW104D	MW104_D	-	-	3.919	18.5 - 20	Annual	8
		MW104S	MW104_S	-	-	3.955	3.5 - 5	Annual	
		MW184D	MW184_D	-	-	3.073	18.5 - 20	Annual	
		MW184S	MW184_S	-	-	3.106	1 - 4	Annual	
		MW188S	MW188_S	391077.170	6368465.490	1.439	0.8 - 3.8	Annual	
		MW188D	MW188_D	391078.557	6368466.180	1.354	18.5 - 20	Annual	
		MW731D	MW731_D	390971.27	6368702.31	2.19	18.5 - 20	Biannual	
		MW731S	MW731_S	390970.69	6368699.83	2.05	2.5 – 5.5	Biannual	
	Southern Area - Cabbage Tree Road	MW146AD	MW146D_A	390352.000	6368257.000	1.620	18.5 - 20	Biannual	6
		MW146S	MW146_S	390352.180	6368257.630	1.802	0.8 - 3.8	Biannual	
		MW271D	MW271_D	-	-	1.308	18.5 - 20	Biannual	

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On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Top of Casing Elevation (m AHD)	Screen Interval (mbgl)	Sampling Frequency	Total
Off-Base	Southern Area - Cabbage Tree Road	MW271S	MW271_S	-	-	1.316	1 - 4	Biannual	
		MW278D	MW278_D	390668.714	6368270.854	1.289	18.5 - 20	Biannual	
		MW278S	MW278_S	390670.046	6368271.548	1.253	1.5 - 3	Biannual	
	West of Site	MW107D	MW107_D	389492.110	6369998.764	3.362	18.5 - 20	Biannual	7
		MW107S	MW107_S	389491.340	6369998.554	3.322	2 - 5	Biannual	
		MW241D	MW241_D	388917.523	6370209.919	5.449	18.5 - 20	Biannual	
		MW241S	MW241_S	388917.717	6370210.859	5.559	1 - 4	Biannual	
		MW280S	MW280S_LT, MW280_S	389373.293	6370090.665	3.831	1 - 4	Biannual	
		MW315D	MW315_D, MW320D	389591.670	6370649.350	6.160	18 - 20	Biannual	
		MW315S	MW315_S, MW320S	389591.670	6370649.350	6.180	1 - 4	Biannual	
Total									**130**

Note: Historical Name, Eastings, Northings, Top of Casing Elevation and Screen Interval are sourced from the Defence Esdat database. Some coordinates are not displayed for privacy reasons.

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4.3.3 Surface Water Sampling Locations

The surface water monitoring locations have been selected to maintain consistency with the monitoring completed during the implementation of the 2019 OMP (AECOM, 2019), and address the requirements of the NSW Government and provide additional data to assess temporal variability.

Four additional locations (SW333, SW582, SW588, SW600) were added within Dawsons Drain, Moors Drain and Fourteen Foot Drain.

The locations to be monitored on a biannual (six monthly) basis are provided in **Table 6** below and are presented on **Figures 1** to **4** in **Appendix A**.

Table 6 Surface Water Monitoring Locations

On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Total
On-Base	Dawsons Drain (Lake Cochran)	SW055	DD1	390150.677	6369798.630	1
	Lake Cochran	SW108	LC	391123.700	6369909.000	2
		SW110	LC_B	390783.280	6369838.664	
	Moors Drain Catchment	SW582	-	392294.93	6371073.14	2
		SW588	-	392432.56	6370405.19	
	On-Site Drain (East of Former DEMS Landfill)	SW048	BD04	390594.587	6370302.505	1
	On-Site Drain (North of Lake Cochran)	SW047	BD03	391110.917	6370186.229	1
Off-Base	Dawsons Drain	SW059	DD2	389781.611	6368463.966	3
		SW060	DD3	390896.510	6368398.705	
		SW333	-	-	-	
	Fourteen Foot Drain	SW062	DD5	391642.635	6367808.154	2
		SW600	-	-	-	
	Fullerton Cove Ring Drain	SW259	FCD4	-	-	1
	Moors Drain	SW001	MD1	392531.852	6370412.424	7
		SW005	MD5	398523.104	6372342.800	
		SW006	MD6	392391.918	6369501.696	
		SW007	MD7	392398.750	6369734.616	
		SW009	MD8	393389.182	6369933.826	
		SW011	MD10	395719.424	6370956.542	
		SW014	MD14	397430.793	6372140.735	
	Ten Foot Drain	SW081	TFD1	391369.231	6367128.789	1
	Tilligerry Creek	SW019	TC12	-	-	4
		SW023	TC6A	397274.000	6370916.000	
		SW024	TC7	398841.534	6371521.129	
		SW079	TC2	392602.731	6368195.612	
Total						**25**

Note: Historical Name, Eastings and Northings are sourced from the Defence Esdat database. Some coordinates are not displayed for privacy reasons.

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4.3.4 Sediment Sampling Locations

Sediment sampling will be undertaken at the locations where surface water samples are collected as defined in **Section 4.3.3**.

The sediment sampling locations have been selected to maintain consistency with the monitoring completed during the implementation of the 2019 OMP (AECOM, 2019a) and address the requirements of the NSW Government and provide additional data to assess temporal variability. Two additional locations (SD333, SD600) were added within Dawsons Drain and Fourteen Foot Drain.

The locations to be monitored on a biannual (six-monthly) basis are provided in **Table 7** below and are presented on **Figures 1** to **4** in **Appendix A**.

Table 7 Sediment Sample Locations

On/Off-Base	Area	Location ID	Historical Name	Easting	Northing	Total
On-Base	Dawsons Drain (Lake Cochran)	SD055	DD1	390150.677	6369798.630	1
	Lake Cochran	SD108	LC	391123.700	6369909.000	2
		SD110	LC_B	390783.280	6369838.664	
	On-Site Drain (East of Former DEMS Landfill)	SD048	BD04	390594.587	6370302.505	1
	On-Site Drain (North of Lake Cochran)	SD047	BD03	391110.917	6370186.229	1
Off-Base	Dawsons Drain	SD059	DD2	389781.611	6368463.966	3
		SD060	DD3	390896.510	6368398.705	
		SD333		-	-	
	Fourteen Foot Drain	SD062	DD5	391642.635	6367808.154	2
		SD600		-	-	
	Fullerton Cove (tidal gate outlet)	SD254	FC1A	-	-	3
		SD255	FC1B	-	-	
		SD326	FC1C	-	-	
	Fullerton Cove Ring Drain	SD259	FCD4	-	-	1
	Moors Drain	SD001	MD1	392531.852	6370412.424	7
		SD005	MD5	398523.104	6372342.800	
		SD006	MD6	392391.918	6369501.696	
		SD007	MD7	392398.750	6369734.616	
		SD009	MD8	393389.182	6369933.826	
		SD011	MD10	395719.424	6370956.542	
		SD014	MD14	397430.793	6372140.735	
	Ten Foot Drain	SD081	TFD1	391369.231	6367128.789	1
	Tilligerry Creek	SD019	TC12	-	-	4
		SD023	TC6A	397274.000	6370916.000	
		SD024	TC7	398841.534	6371521.129	
		SD079	TC2	392602.731	6368195.612	
Total						**26**

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Note: Historical Name, Eastings and Northings are sourced from the Defence Esdat database. Some coordinates are not displayed for privacy reasons.

4.3.5 Biota Sampling Locations

Sampling will continue to target sentinel species in Fullerton Cove (refer to **Figure 1** in **Appendix A**) as per the previous OMP (AECOM, 2019) that were identified to accumulate elevated concentrations of PFAS relative to other species, namely:

- Dusky Flathead (Platycephalus fuscus)
- Luderick (Girella tricuspidata)
- School Prawn (Metapenaeus macleayi).

A description of these species is provided in **Table 8** below.

Table 8 Aquatic Biota Description

Species	Description
Finfish	
Dusky Flathead (Platycephalus fuscus)	• Dusky Flathead PFAS levels in the Hunter River were considered to be elevated relative to other species, variable and did not follow spatial patterns evident in the other species • Dusky Flathead is a target recreational and commercial species.
Luderick (*Girella tricuspidata)*	• Found primarily in estuaries and around nearshore rocky reefs • Spawning occurs in surf zones near estuary entrances during winter, the larvae then enter estuaries and small juveniles live in sheltered shallow water habitats. Adults are mainly found in association with weedy habitats such as seagrass and rocky reefs. Adults migrate to near-coastal waters prior to spawning and may then return to estuaries • Mainly herbivorous, feeding on seagrass and green algae, and sometimes small invertebrates • Mature around 25 cm. Minimum legal length is 27 cm • Important recreational species, minor commercial species.
Crustacea	
School Prawn (*Metapenaeus macleayi*)	• Inhabit estuaries and inshore ocean waters • Spawn in near shore ocean waters between December and May. Post-larval prawns enter estuaries and move upstream. Following spring the adolescent prawns return down-stream and migrate to sea to mature and spawn • Prefer soft, muddy substrates and areas of seagrass • Eat a variety of small invertebrates and detritus • Maximum length 16 cm • Important domestic market.

It is noted that not all species above may be present at Fullerton Cove during the sampling event.

The aquatic biota monitoring locations are to be monitored on a biennial (every second year) basis. A summary of the sample numbers is provided in the **Table 9**.

Table 9 Summary of sample numbers

Species	Number of Composite Samples per Event	Total No. of Individual Samples for each Composite
Dusky Flat Head	4	Up to 10
Luderick	4	Up to 10
School Prawn	4	Up to 10

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4.4 Sample Collection and Handling

4.4.1 Sampling Methodology

The sampling methodology is presented in **Table 10**.

Table 10 Groundwater Sampling Methodology and Schedule

Item	Details
Groundwater gauging	The depth to groundwater will be measured in each monitoring well prior to collection of groundwater samples. Additionally, during each sampling event a gauging round of selected groundwater locations will be conducted to enable groundwater contours to be developed. The selected locations for the targeted gauging event are as follows: • **shallow wells**: MW106S, MW122, MW123, MW124, MW125S, MW126S, MW146S, MW162S, MW188S, MW232S, MW247S, MW256S, MW257S, MW260S, MW268S and MW897S • **deep monitoring wells**: MW106D, MW125D, MW126D, MW146AD, MW162D, MW188D, MW232D, MW247D, MW256D, MW257D, MW260D, MW268D and MW897D.
Groundwater Sample Collection Methodology	**Groundwater Monitoring Wells** Groundwater samples will be collected from monitoring wells using no-purge methodology with HydraSleeves™ which will be installed within the screened interval of the wells. Care should be taken to avoid placing the base of the HydraSleeves™ at the base of the monitoring well, where a build-up of sediment may be present. The installation depth of the HydraSleeves™ is to be recorded (generally as HydraSleeve™ collar depth in metres below top of casing (mbTOC)). HydraSleeves™ are to be installed / deployed in monitoring wells for a minimum of 4 hours prior to sampling, when deployed with bottom weights only, and for a minimum of 24 hours prior to sampling, when deployed with both top and bottom weights, to allow re-stabilisation of the well following disturbance, and if applicable, for the top weight to compress. Following sampling, water quality parameters are recorded ex-situ, from any excess water available in the HydraSleeve™. In the event that a HydraSleeve™ fails to deploy or has been removed inadvertently (i.e. by a non-OMP project), the sample will be collected using a dedicated disposable high-density polyethylene (HDPE) bailer, if time or access constraints do not permit re-deployment of the HydraSleeve™ and subsequent sampling in the same sampling event. When sampling with a bailer, a minimum of three well volumes should be purged and purging should be continued until stabilisation of water quality parameters (to be collected continuously ex-situ) is achieved. If recharge is insufficient during purging, care will be taken to avoid purging the well dry and collecting the sample when reasonable to do so. Once sampling is completed, a new HydraSleeve™ will be deployed at the screened interval depth at each location in preparation for the next scheduled sampling round, where practicable. HydraSleeve™ sampling will be completed in accordance with the manufacturer's guidance. Due to narrow PVC of monitoring wells MW842 and MW844, groundwater samples will be collected using a peristaltic pump. MW829 is a non-traditional well with no well cap or gatic (pump station bore/sampling point) and will be sampled using a bailer. **Residential Bores**

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Item	Details
	Bore water samples will be collected by placing the laboratory provided sample bottle beneath the tap outlet and the tap slowly opened to collect the “first flush” of water. Following sampling, water quality parameters will be recorded ex-situ, by placing the water quality meter (WQM) probe in a cup filled with bore water from the tap outlet.
Surface Water Sample Collection Methodology	Surface water samples will be collected in accordance with the ASC NEPM (NEPC, 2013) and PFAS NEMP (HEPA, 2020). Samples will be collected from either mid-way through the water column or approximately 0.5 m below the surface (if possible) using a ‘grab’ sample method, without disturbing the bottom of the surface water body and without capturing any surface film, to minimise collection of sediment, or floating materials in the samples. At each location, a new, laboratory supplied container should be lowered into the water with the cap immediately applied once the container is full. Where sampling points cannot be accessed safely, surface water samples will be collected with use of a sampling pole. Description of each sampling location will be recorded (including physical setting, flow observations, presence of sheen or foam etc).
Sediment Sample Collection Methodology	Sediment samples will be collected in accordance with the ASC NEPM (NEPC, 2013) and PFAS NEMP (HEPA, 2020). Sediment samples are to be collected from a depth representative of potentially deposited sediments and collected from within the water body, if possible. Where embankment stability and surface water depth permits, sediment samples will be collected using a hand trowel to a maximum depth of 0.3 m below the sediment surface. Where access to sediment is restricted by bank instability or the presence of surface water, samples will be collected using a hand auger or Dormer Piston Sediment Sampler. A new laboratory supplied container will be used at each location for collection of samples, and any reusable sampling equipment utilised will be de-contaminated between locations. Description of each sampling location and the sample material will be recorded.
Biota Sample Collection Methodology	Samples will be captured utilising the following process, similar to the previous methodology adopted during the 2019 OMP, and undertaken in accordance with the appropriate permits and ethics approval: Boats will be used to deploy mesh netting. Nets will be placed over night in the target locations and will be collected the following morning. Observations on the number of target species captured, bycatch and water quality will be recorded. Bycatch will be returned to the water, where possible. A prawn trawler will be used to trawl a net throughout the target area. At the end of each sampling run the net will be inspected. Observations on the number of target species captured, bycatch and water quality will be recorded. Bycatch will be returned to the water, where possible. All target specimens will be retrieved from the nets, euthanised, then prepared for processing to the laboratory. Target fish will be euthanized by blunt force trauma, followed by exsanguination. No compositing will be undertaken in the field. Four composite samples shall be collected per event, per target species. Each composite sample will comprise of up to 10 individual specimens and will be prepared at the laboratory under the laboratory’s supervision. In addition to the

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Item	Details
	composite samples, one fillet from each fish will be retained and frozen for future analysis should information on individual variation (or linking of PFAS concentrations to biological attributes such as growth, sex etc.) be required at a later date. A detailed methodology for the collection of biota samples is presented in the Standard Operating Procedure for Aquatic Biota Sampling (**Appendix C**).
QA/QC Samples to be Collected	For water and sediment matrices, field QA/QC samples are to include intra-laboratory duplicate and inter-laboratory duplicate samples (i.e. blind and split duplicates), as well as rinsate blank samples, as specified in **Section 4.12**. AECOM will collect extra sample volume to enable the laboratory to complete their internal QA/QC analysis. AECOM personnel will attempt to reduce potential heterogeneity in the sample media matrix by dividing the sample collected between primary and intra-laboratory jars or bottles during sampling. For biota matrices, no duplicate sampling is proposed as the samples are being composited. Individual specimens of the composite samples will be retained to validate composite results as required.
Field Parameters	Temperature, electrical conductivity (EC), dissolved oxygen (DO), Redox (reduction-oxidation), pH and observations of water quality will be recorded for all groundwater and surface water samples, including: • physical indicators such as the presence (and approximate proportion) of suspended solids, colour • the presence/absence and nature of odours and the presence/absence of slicks or sheens on water.
Sample Analysis	All primary samples will be submitted for the standard PFAS analytical suite using the standard levels of detection. For biota matrices, all composites will be prepared at the laboratory under the laboratory's supervision and will be tested for standard PFAS analytical suite using the standard levels of detection. Biota sample preparation by the laboratory includes removal of scales/shell, head and internal organs. Fillets will be taken with skin intact and homogenised prior to sub-sampling and analysis.

4.4.2 Decontamination of sampling equipment

To avoid cross-contamination between samples and sample locations, all reusable sampling equipment, such as interface probe and trowel, will be de-contaminated between locations. The proposed method of decontamination is summarised below:

- preliminary wash and scrub with tap water, after each sampling location
- wash using Liquinox®
- rinsed with tap water
- rinsed with deionised water (supplied by the laboratory).

Clean, disposable nitrile gloves will be worn and replaced between each sample.

4.4.3 Sample Handling and Transport to Laboratory

All samples will be placed on ice in eskies immediately after sampling. All water and moist sediment samples should be kept, where possible, at low temperatures (≤6°C) during transit to the laboratory, in accordance with ASC NEPM (NEPC, 2013).

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Samples will be transported directly to the laboratory for analytical testing under standard chain of custody (CoC) procedures. Primary and associated duplicate QA/QC samples will be analysed by Australian Laboratory Services (ALS). The inter-laboratory duplicate samples will be analysed by Envirolab Services (Envirolab). For biota matrices, samples will be analysed by the National Measurement Institute (NMI).

4.5 Calibration

The calibration of the water quality meter (WQM) will be tested each day via a “bump test” prior to the commencement of field activities with relevant solutions, including pH, EC and Redox. The calibration will be in accordance with manufacturers’ instructions or National Association of Testing Authorities (NATA) publication “General Requirements for Registration: Supplementary Requirement: Chemical Testing (NATA 1993) and Technical Note N0. 19 (NATA 1994)”. Where satisfactory calibration cannot be achieved, the water quality data will not be used for interpretive purposes.

Calibration details will be recorded on field sheets and included in the Sampling Event Factual Reports for each sampling round.

4.6 Logistics

The laboratory sample containers will be shipped from the laboratory to the AECOM office in Sydney or Newcastle prior to the commencement of fieldwork. All samples will be transported by field staff or couriered directly to the relevant laboratory, at the completion of fieldwork. All inter-laboratory duplicate samples will be submitted under a separate CoC for analysis.

4.7 Analytical Suite and Laboratory Analysis Methods

4.7.1 Laboratory NATA Accreditation Details

The laboratory is required to use NATA accredited methods based on NEPM, US EPA, Table B 15 of the US Department of Defence/Department of Energy and American Society for Testing and Materials (ASTM) methods as appropriate.

The primary and secondary laboratories selected for this program are ALS (NATA Accreditation Number 825), NMI (NATA Accreditation Number 198), and Envirolab (NATA Accreditation Number 2901).

4.7.2 Analytical Schedule

All media sampled will be analysed for the standard PFAS analytical suite in accordance with the Defence (2022) *Standard PFAS Analytical Suite - Guidance Document E* (**Appendix D**).

The current standard laboratory LOR for the primary laboratories are described in **Table 11** below.

Table 11 Laboratory Limits of Reporting

Sample Media	Parameter	Technique/Method Reference	LOR
Water	Extended PFAS Suite	LCMS	0.01 – 0.1 µg/L
Sediment	Extended PFAS Suite	LCMS	0.0002 – 0.001 mg/kg
Biota	PFAS (full suite)	AUTLO7 Reference methods USEPA537/821	0.0003 – 0.001 mg/kg

LCMS = Liquid chromatography mass spectrometry

4.7.3 Validation of Analytical Results

Validation of analytical results may be required in the form of re-analysis by the reporting laboratory or through re-sampling and analysis, to confirm original results.

The requirement for re-sampling and/or re-analysis will be determined in consultation with Defence and will generally apply to results that are first-time detections of PFAS in water matrices, new exceedances of human health guidelines or consecutive increases of PFAS concentrations in sediments.

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4.8 Sample Nomenclature

In order to meet Defence data management requirements, a consistent sample nomenclature has been adopted for the Program. All primary samples will be labelled using the following naming convention:

PPPP_XX000_ZZZ_YYMMDD

[property ID]_[type of sample][THREE DIGIT sample number]_[top of sample depth]_[yearmonthday]

e.g. 0908_MW001_240515

Location types and codes are prescribed by the Defence Contamination Management Manual, Annex L Data Management (Defence, June 2021) and the Site's investigation history.

Location types relevant to this SAQP include:

- MW = monitoring well
- SW = surface water
- SD = sediment
- BIOAFA = biota aquatic fauna (school prawn, dusky flathead, luderick).

QA/QC Samples will be labelled in accordance with the following convention:

- blind duplicate (intra-laboratory duplicate): PPPP_QC1XX_YYMMDD
- split duplicate (inter-laboratory duplicate): PPPP_QC2XX_YYMMDD
- rinsate blank: PPPP_QC3XX_YYMMDD.

4.9 Defence ESdat Requirements

Defence has contracted Earth Science Information Systems (EScIS), to provide contamination data management services through a cloud instance of its Esdat product.

All field and laboratory data collected by AECOM will be uploaded, stored and managed in Defence's Environmental Data Management System (EDMS (ESdat)) in accordance with Section 6 of Annex L to the Defence Contamination Management Manual. AECOM will refer to historical investigation data to ensure consistent location codes are used to enable analysis of data trends. Where required under Annex L, non-compliant location codes will be resolved under direction from Defence.

AECOM will ensure that electronic data deliverables (EDDs) from the laboratory include required information for automatic upload into the EDMS, such as including the correct Project ID in Esdat files and including the Defence ESdat auto-upload email address (DERP.LabReports@esdat.com.au) in the laboratory report recipient list.

AECOM will ensure that field data is uploaded, and laboratory data is uploaded and approved into the EDMS and that QA/QC data is correctly reconciled for each monitoring event.

4.10 Adopted Screening Criteria

Adopted screening criteria references national guidance in the form of the PFAS National Environmental Management Plan, Defence estate and environmental strategies, and Defence PFAS-specific strategies and guidance.

At the time of preparing this SAQP, a number of relevant guidance documents were in circulation in Australia including:

- PFAS National Environmental Management Plan (NEMP) Version 2.0, Heads of EPA (HEPA) Australia and New Zealand. January 2020 (HEPA, 2020)
- Department of Health (DoH), 2017. Health Based Guidance Values for PFAS for use in site investigations in Australia. April 2017 (FSANZ, 2017)
- National Health and Medical Research Council (NHMRC), 2019. Guidance on PFAS in Recreational Water. August 2019 (NHMRC, 2019)

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- National Environment Protection (Assessment of Site Contamination) Measure 1999, Schedule B1, as amended in 2013 (ASC NEPM, 2013).

The screening criteria adopted to assess the data generated as part of this SAQP are presented in **Table 12** and **Table 13** below, for human and ecological receptors, respectively. Note that the HEPA NEMP 2.0 (2020) does not provide screening criteria for PFAS in sediments.

Table 12 PFAS Adopted Screening Criteria – Human Receptors

Media	Pathway	Compound	Criteria	Comment/Reference
Water – Groundwater	Drinking water	PFOS + PFHxS	0.07 µg/L	The values presented in the PFAS NEMP, 2020 are from DoH 2017, which published final health-based guidance values for PFAS for use in site investigations in Australia. DoH utilised the TDI for PFOS and PFOA from FSANZ, 2017 and the methodology described in Chapter 6.3.3 of the National Health and Medical Research Council's (NHMRC) Australian Drinking Water Guidelines (ADWG), 2022 to determine drinking water values. For PFHxS, DoH 2017 noted that '*FSANZ concluded that there was not enough toxicological and epidemiological information to justify establishing a tolerable daily intake. However, as a precaution, and for the purposes of site investigations, the PFOS tolerable daily intake should apply to PFHxS. In practice, this means that the level of PFHxS exposure should be added to the level of PFOS exposure; and this combined level be compared to the tolerable daily intake for PFOS*'. *All groundwater results will be compared to these criteria.*
		PFOA	0.56 µg/L	
Water – Surface Water and Groundwater	Recreational use	PFOS + PFHxS	2 µg/L	The previous values presented in the PFAS National Environmental Management Plan (NEMP), 2018 were from DoH 2017, which published final health-based guidance values for PFAS for use in site investigations in Australia. However, in 2019 the NHMRC's water quality advisory recommended an alternative methodology to calculate recreational guideline value. Instead of basing it on an ingestion rate of 0.2 L of water per day (as per the *Australian Drinking Water Guidelines* [ADWG] formula), NHMRC (2019) adjusted this rate with consideration of an event frequency (150 events / year) to calculate an annual ingestion rate of 30 L per year. These NHMRC (2019) values have since been adopted under Revision 2.0 of the PFAS NEMP (HEPA, 2020). Note: given that groundwater at the Base is extracted for irrigation purposes (post treatment), the recreational guidelines have been adopted to be protective of this water use activity.

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Media	Pathway	Compound	Criteria	Comment/Reference
				All surface water and groundwater results will be compared to these criteria.

Table 13 PFAS Adopted Screening Criteria - Ecological Receptors

Media	Pathway	Compound	Criteria	Comment/Reference
Water – Groundwater and Surface Water	Freshwater	PFOS	0.00023 µg/L	The values are from the PFAS NEMP (HEPA, 2020) which endorsed the Australian and New Zealand Guidelines for Fresh and Marine Water Quality – draft default guideline values. AECOM understands that these guidelines are currently being reviewed and will consider the appropriateness of considering any future revision. The 99% species protection level has been applied for high value conservation systems. This approach is generally adopted for chemicals that bioaccumulate and biomagnify in wildlife. It is proposed that the laboratory LOR is adopted for the purposes of preliminary screening of analytical water results, rather than sole use of the criteria value. *All surface water and groundwater results will be compared to these criteria.*
		PFOA	19 µg/L	

The adopted screening criteria for aquatic biota sampling are sourced from the Food Standards Australia New Zealand (FSANZ) *Perfluorinated chemicals in food* (FSANZ, 2017) and are summarised in **Table 14** below.

Table 14 PFAS Screening Criteria - Aquatic Biota

Compound	Criteria	Comment
FSANZ 2017 2-6 years Crustaceans (all species)		
PFOS	0.065 mg/kg	*All school prawn sample results will be compared against these criteria*
PFHxS	0.065 mg/kg	
PFOA	0.520 mg/kg	
FSANZ 2017 2-6 years Finfish (all species)		
PFOS	0.0052 mg/kg	*All luderick and dusky flathead sample results will be compared against these criteria*
PFHxS	0.0052 mg/kg	
PFOA	0.0410 mg/kg	

4.11 Waste Management

Due to the proposed “no purge” sampling methodology adopted for the majority of the groundwater monitoring locations and the grab samples from the designated surface water sampling locations, it is not anticipated that significant volumes of liquid waste would be generated that would require on-Site management and disposal.

All consumables (i.e. HydraSleeves™, general rubbish) will be bagged and placed in on-Site general waste bins for disposal.

D R A F T

4.12 Field Quality Assurance/Quality Control Sampling

4.12.1 Intra-laboratory and Inter-laboratory Duplicate Samples

Intra-laboratory (blind) duplicate samples and inter-laboratory (split) duplicate samples will be collected and analysed at a minimum frequency of 1 in 10 primary samples, in accordance with the QA/QC requirements outlined in HEPA (2020).

4.12.2 Rinsate Samples

Rinsate blank samples will be collected and analysed at a minimum frequency of 1 per day of fieldworks, in accordance with HEPA (2020).

Rinsate blanks will be collected by pouring laboratory supplied deionised water over decontaminated gauging and sampling equipment that will be re-used (e.g. interface probe, trowel).

4.13 Fieldwork Documentation

4.13.1 Field Notes

Field notes will be maintained to record all field sampling events and include observations made at each sample location. Field notes will include general site setting, location information, and information specific to the sample media, as follows:

- weather conditions, and visual or olfactory conditions at the location
- location coordinates and means of access, and any changes from previous access to a specific location
- groundwater samples – the observed characteristics of the sample (e.g. colour, turbidity, presence/absence and nature of odours, presence/absence of slicks or sheens) and measured field water quality parameters (pH, EC, DO, ORP, temperature) will be recorded. Condition of monitoring wells and gauging details will also be recorded
- surface water samples – the observed characteristics of the sample (e.g. colour, turbidity, presence/absence and nature of odours, presence/absence of slicks or sheens) and field water quality parameters (pH, EC, DO, ORP, temperature) will be recorded. Additionally, a description of each surface water sampling location will be recorded, such as indicating the waterbody type (lake, stream, etc.), presence/absence of water flow, and waterbody width
- sediment samples – the observed characteristics of the sample (e.g. colour, sediment type, moisture, presence/absence and odours) and the depth will be recorded
- the quality control (e.g. duplicate and inter-laboratory duplicate) sample details be recorded.

The ESdat Field Portal will be utilised by field staff to capture consistent field data based on project specific requirements, minimise potential data transcription errors and facilitate efficient data review.

4.13.2 Sample Labels

Sample containers will be labelled, as a minimum, with the following information:

- AECOM project number
- name of sampler
- sample ID
- date of sample collection.

An indelible felt pen will be used for labelling, to ensure that the lettering is not erased during transit to the laboratory. Sample containers that are sent to the primary laboratory, ALS, will also be scanned into the laboratory's custom-built mobile app (by scanning the barcode applied to each laboratory-supplied container) for streamlined labelling and Chain of Custody (CoC) creation and to ensure compliant sample IDs are used in the field.

D R A F T

4.13.3 Chain of Custody Forms

A CoC form will be completed, documenting the sample identification number and analytes. The CoC documents the chain of events from sample collection to delivery at the laboratory and provides a traceable account of sample handling. The CoC form will be signed by both the sample collector and the receiving laboratory.

The CoC form will include the following information:

- job number
- date and time of sample collection
- sample ID
- type of containers
- name of sampler
- laboratory to be used
- analyses required
- any comments
- signatures of the sampler and laboratory receiver.

In the event that additional samples are collected during the field investigations due to observations made by the Field Team, (i.e. samples not proposed in this SAQP), Defence will be provided the rationale for collection of those samples and proposed laboratory analyses. Defence approval will be sought to include these samples on the CoC and to dispatch these samples to the laboratory.

Upon receipt of the original documents accompanying the samples at the laboratory, the laboratory will provide a sample receipt document (noting the temperature of samples upon receipt, analyses required and any non-conformances) and return the signed CoC form and sample receipt notification (SRN) to confirm analyses to be performed and the due date for the analytical results.

4.14 Reporting

4.14.1 Sampling Event Factual Report

AECOM will prepare and submit a Sampling Event Factual Report to Defence following the completion of each sampling event. The Sampling Event Factual Report will include:

- details of the scope completed
- a description of the sampling methodologies used
- identification of any components of the scope that could not be completed
- a summary of field observations (e.g. any visual or olfactory observations that may indicate impacts to surface water or groundwater) and water quality parameter measurements
- evaluation of the applicability of adopted assessment levels
- a presentation of the analysis results in a table that includes comparisons with PFAS guidelines
- a presentation of groundwater levels for the event on a figure with inferred contours and inferred groundwater flow direction
- review of the suitability of the data for assessment purposes (QA/QC evaluation)
- inclusion of the following information as attachments:
    - field data including field water quality parameter and gauging measurements
    - chain of custody forms
    - laboratory analytical certificates

D R A F T

- equipment calibration certificates.

The Sampling Event Factual Report will be provided to Defence no later than four weeks after completion of the field component. AECOM will inform Defence in the case of delays in laboratory results.

4.14.2 Ongoing Monitoring Report

At the end of each 12-month monitoring period, AECOM will prepare and submit an Ongoing Monitoring Report (OMR) to Defence. The OMR will include:

- evidence of compliance with the requirements of the SAQP and meeting stated objectives of the OMP (Defence, 2023a)
- identification of any components of the scope that could not be completed
- a summary of any changes to the monitoring network condition that may affect data integrity, or require rectification works, and recommendations for repair, replacement or decommissioning of a location
- relevant figures depicting sampling locations and site-specific hydrogeological features
- laboratory results and analysis including comparison with relevant screening criteria
- assessment and commentary on appropriate QA/QC procedures
- data interpretation, including trends in groundwater concentration, gradient and flow directions
- assessment of statistically based trends (as described in Step 3 and 5 of the DQOs) that may inform decision making when it comes to the revision of the OMP (Defence, 2023a) including whether a review of the Conceptual Site Model is required or whether the risk profile has changed overall, or for any specific location at the base, and a recommendation as to whether this should trigger an OMP and/or PMAP review, or other action.
- inclusion of the following information as attachments:
  - field data including field water quality parameter and gauging measurements
  - CoC forms
  - laboratory analytical certificates
  - equipment calibration certificates.

D R A F T

5.0 Deviations from OMP

While the scope of works and methodology described in this SAQP are consistent with that presented in the OMP (AECOM, 2023a), a point of deviation is noted (refer to **Table 15** below).

Table 15 Deviations from OMP

No.	Description	Rationale
1	Addition of private property sampling locations MW139, POT046, POT085, POT107, POT144 and POT236	Following the removal of the sampling locations from the OMP (2019a), private property owners requested for the locations to continue to be sampled as part of the OMP (2023a).

D R A F T

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Appendix A

Figures

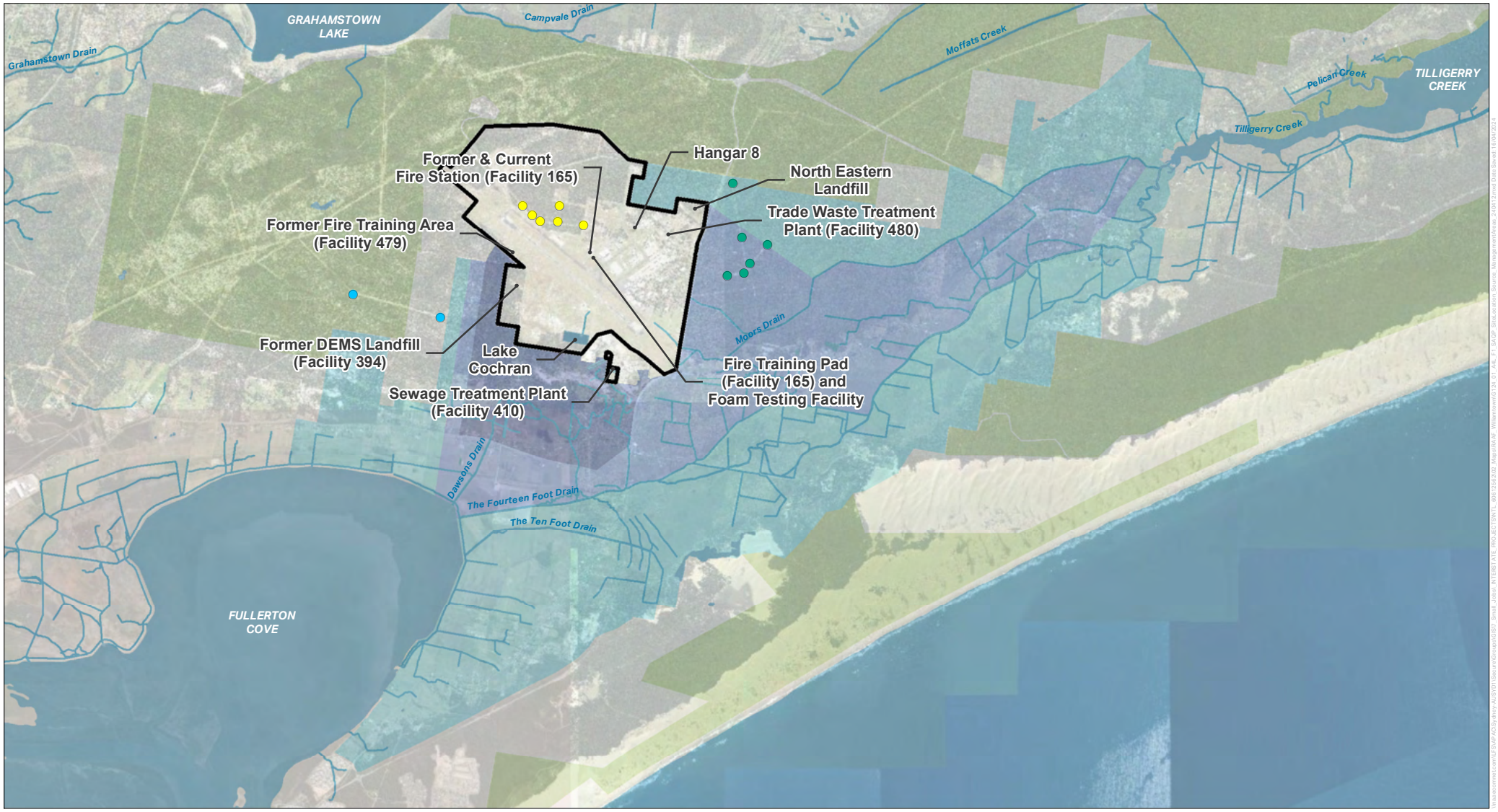
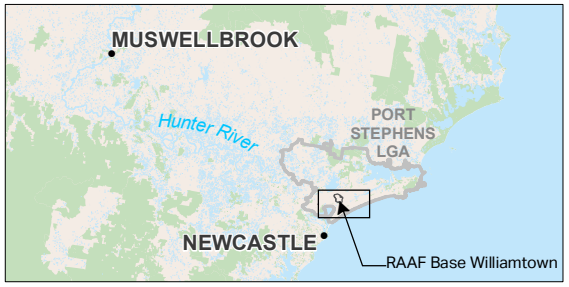


FIGURE F1: SITE LOCATION AND MANAGEMENT AREA

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- National Parks and Reserves
- Watercourse
- Pumping Stations 5
- Pumping Stations 7
- Pumping Stations 9



N

0 1 2 km

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PROJECT
PFAS OMP - 60612562
RAAF BASE WILLIAMTOWN
SAMPLING AND ANALYSIS QUALITY PLAN

CLIENT
DEPARTMENT OF DEFENCE

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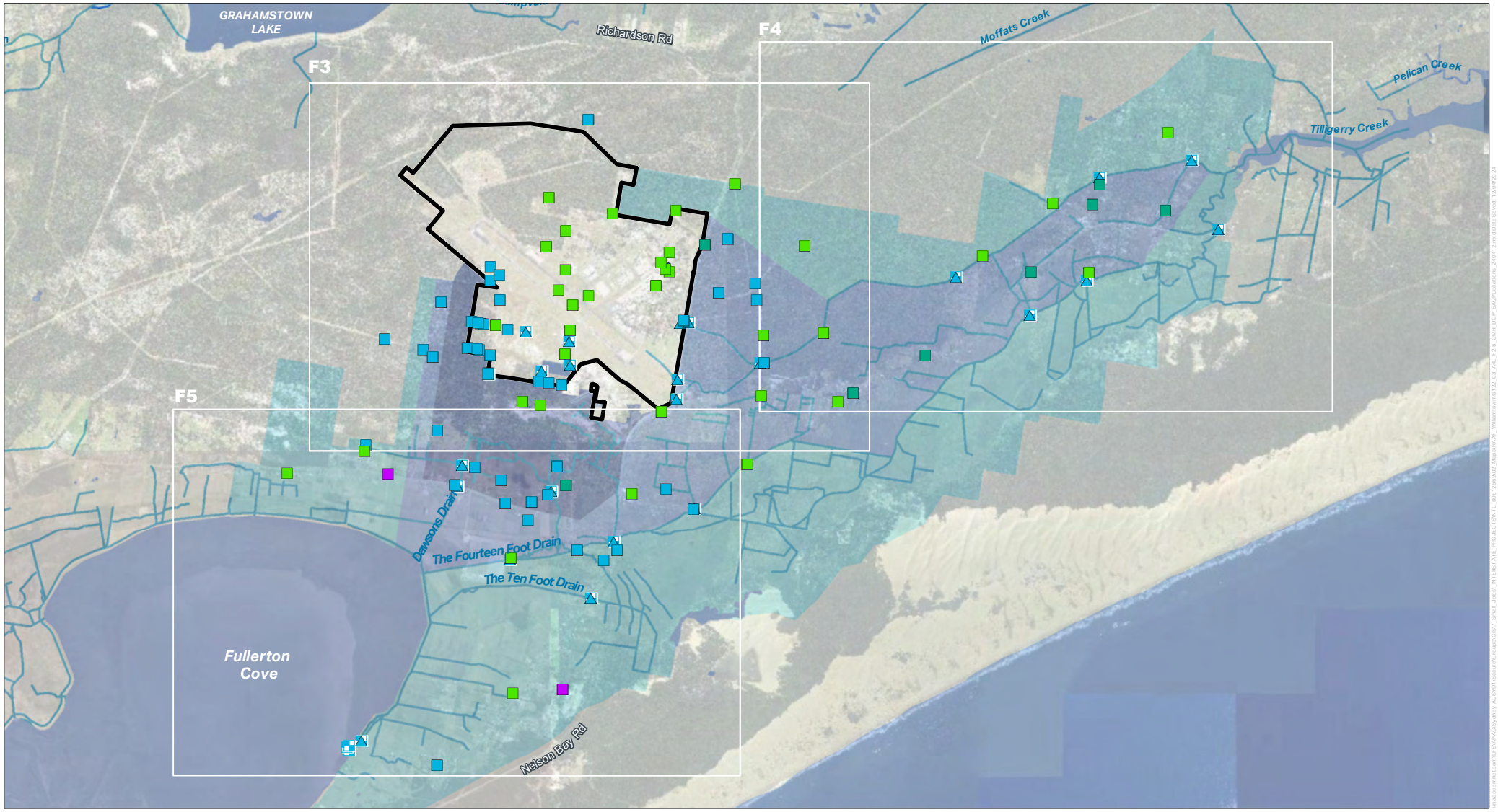

FIGURE F2: MONITORING OVERVIEW

Legend

- RAAF Base Williamtown
- Watercourse
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- Sediment
- Groundwater
- Surface Water
- Gauge Only
- Annual Sampling and Biannual Gauging
- Biannual Sampling
- Annual Sampling

N

0 0.5 1 km

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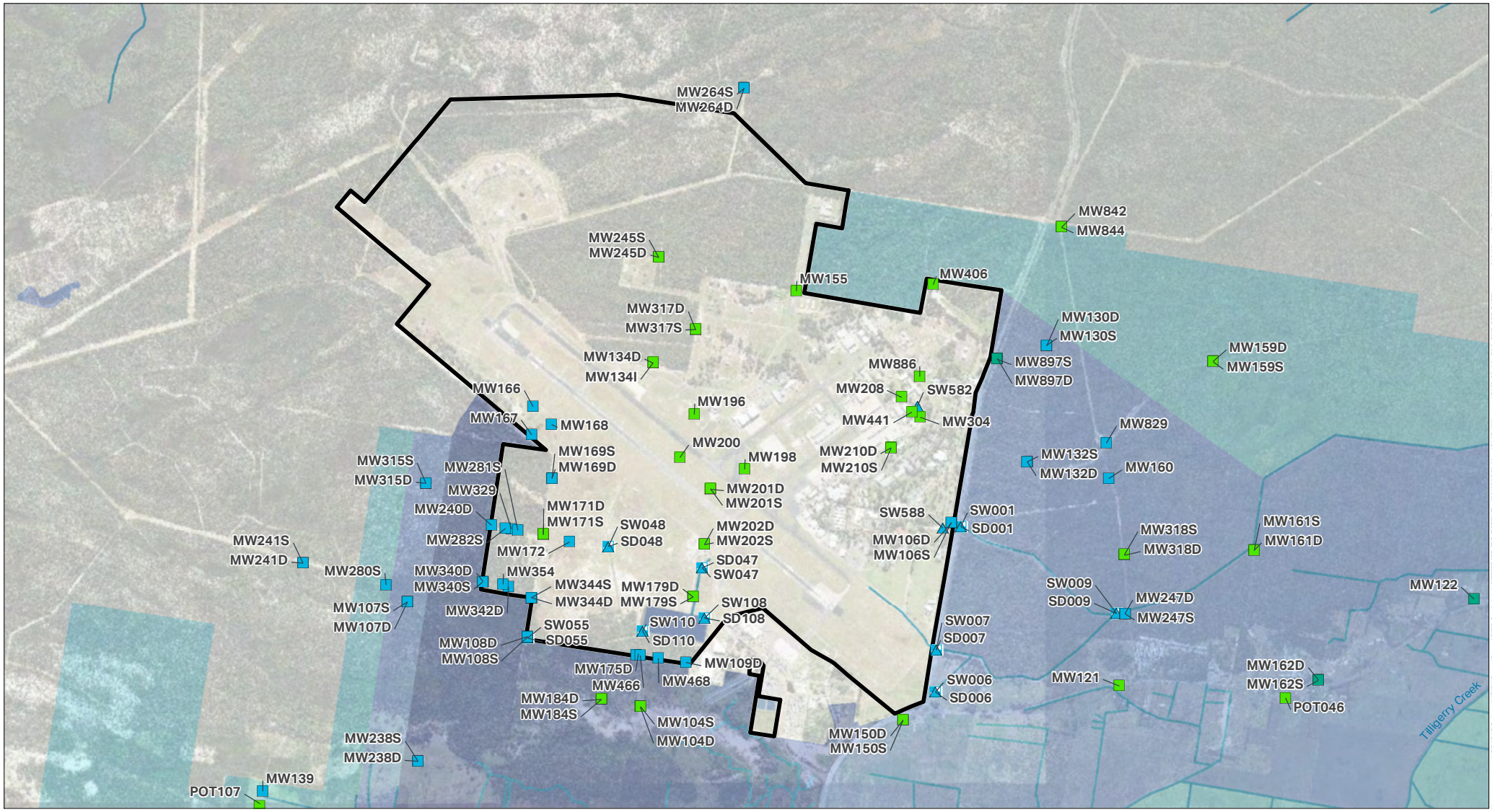

FIGURE F3: MONITORING LOCATIONS - BASE AND WEST

Legend

- RAAF Base Williamtown
- Watercourse
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- Sediment
- Groundwater
- Surface Water
- Gauge Only
- Annual Sampling and Biannual Gauging
- Biannual Sampling
- Annual Sampling

N

0 0.5 1 km

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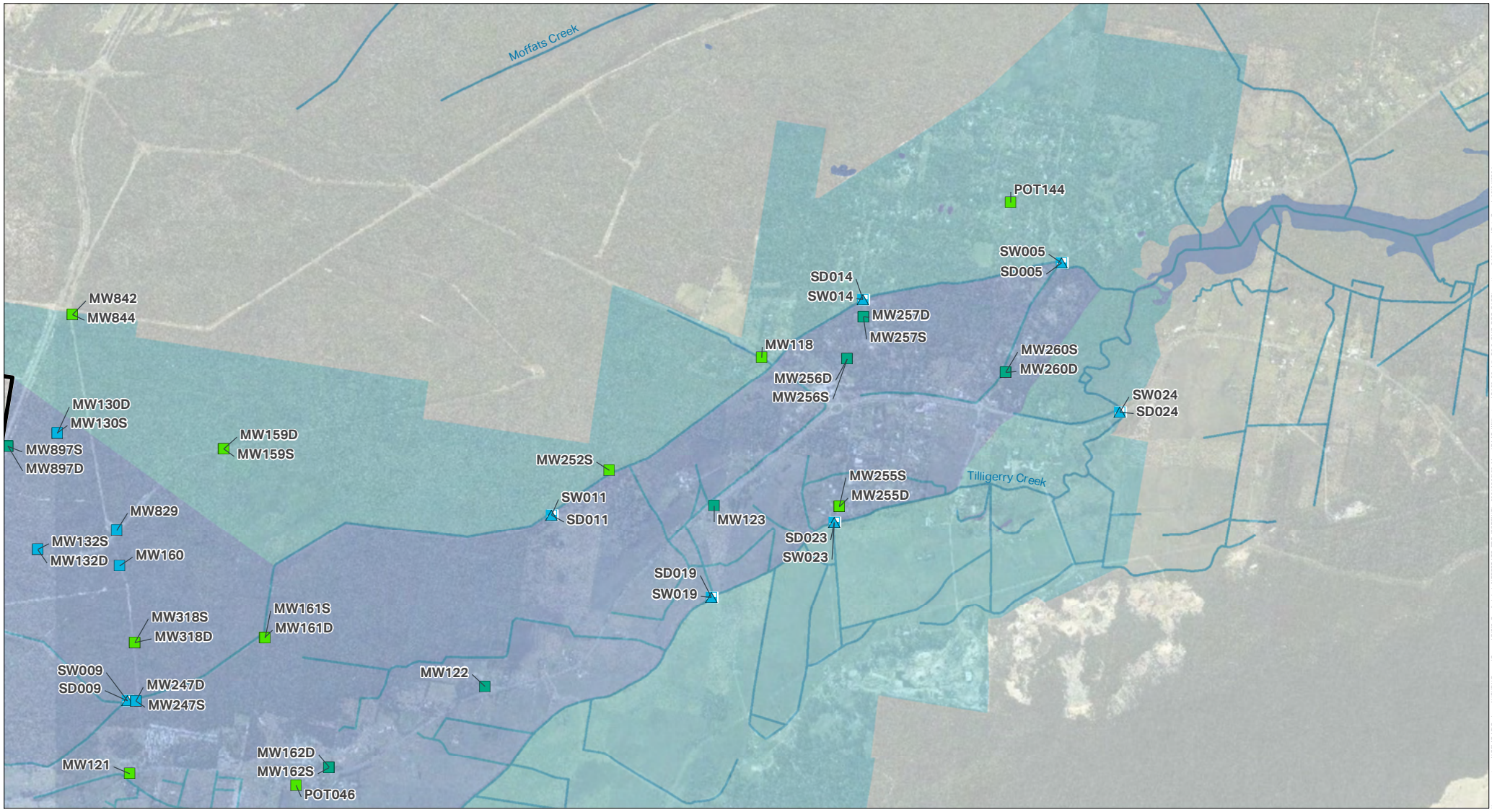

FIGURE F4: MONITORING LOCATIONS - EAST

Legend

- RAAF Base Williamtown
- Watercourse
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- Sediment
- Groundwater
- Surface Water
- Gauge Only
- Annual Sampling and Biannual Gauging
- Biannual Sampling
- Annual Sampling

N

0 0.5 1 km

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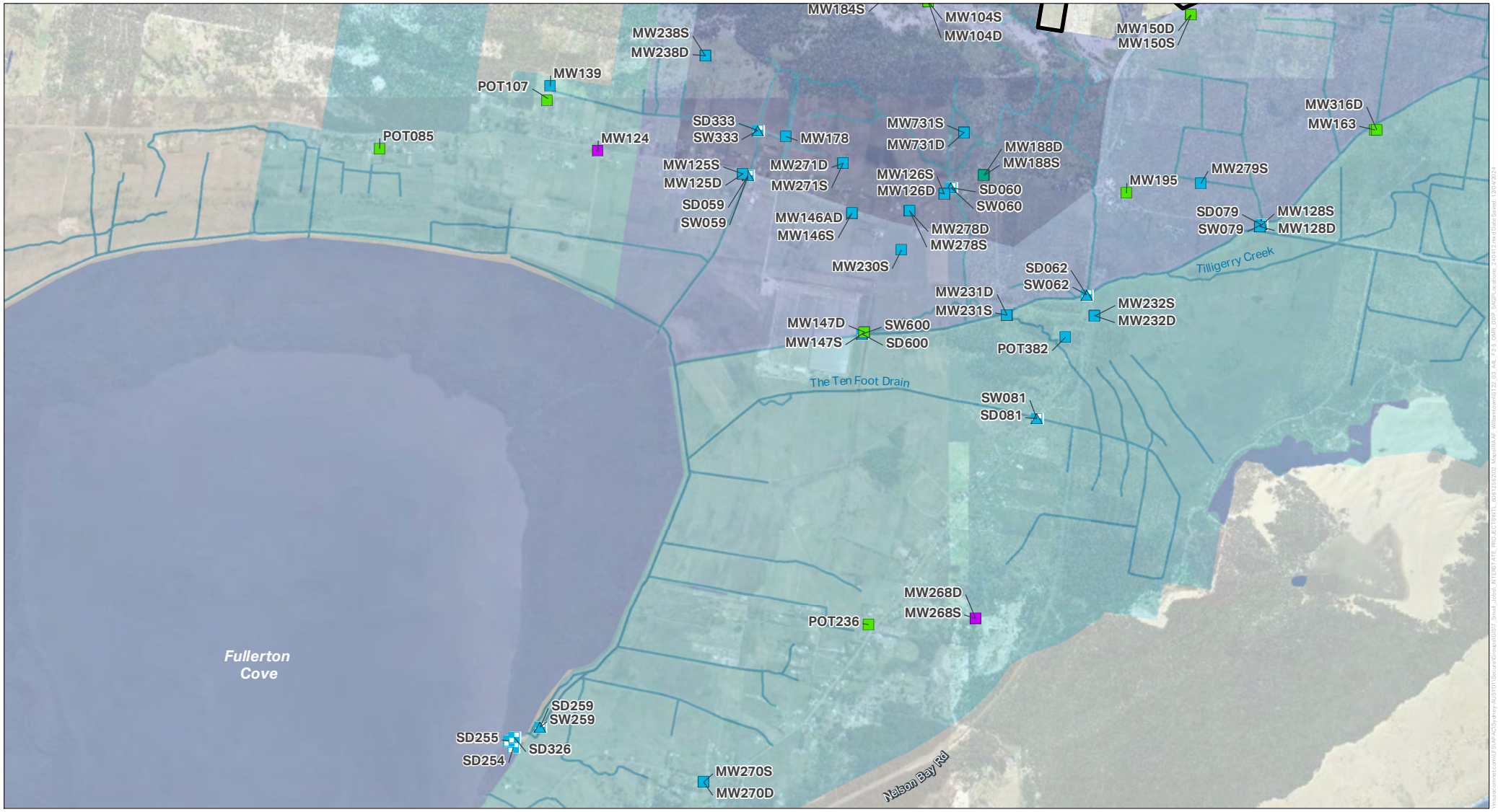

FIGURE F5: MONITORING LOCATIONS - SOUTH

Legend

- RAAF Base Williamtown
- Watercourse
- Primary Management Zone
- Secondary Management Zone
- Broader Management Zone
- Sediment
- Groundwater
- Surface Water
- Gauge Only
- Annual Sampling and Biannual Gauging
- Biannual Sampling
- Annual Sampling

N

0 0.5 1 km

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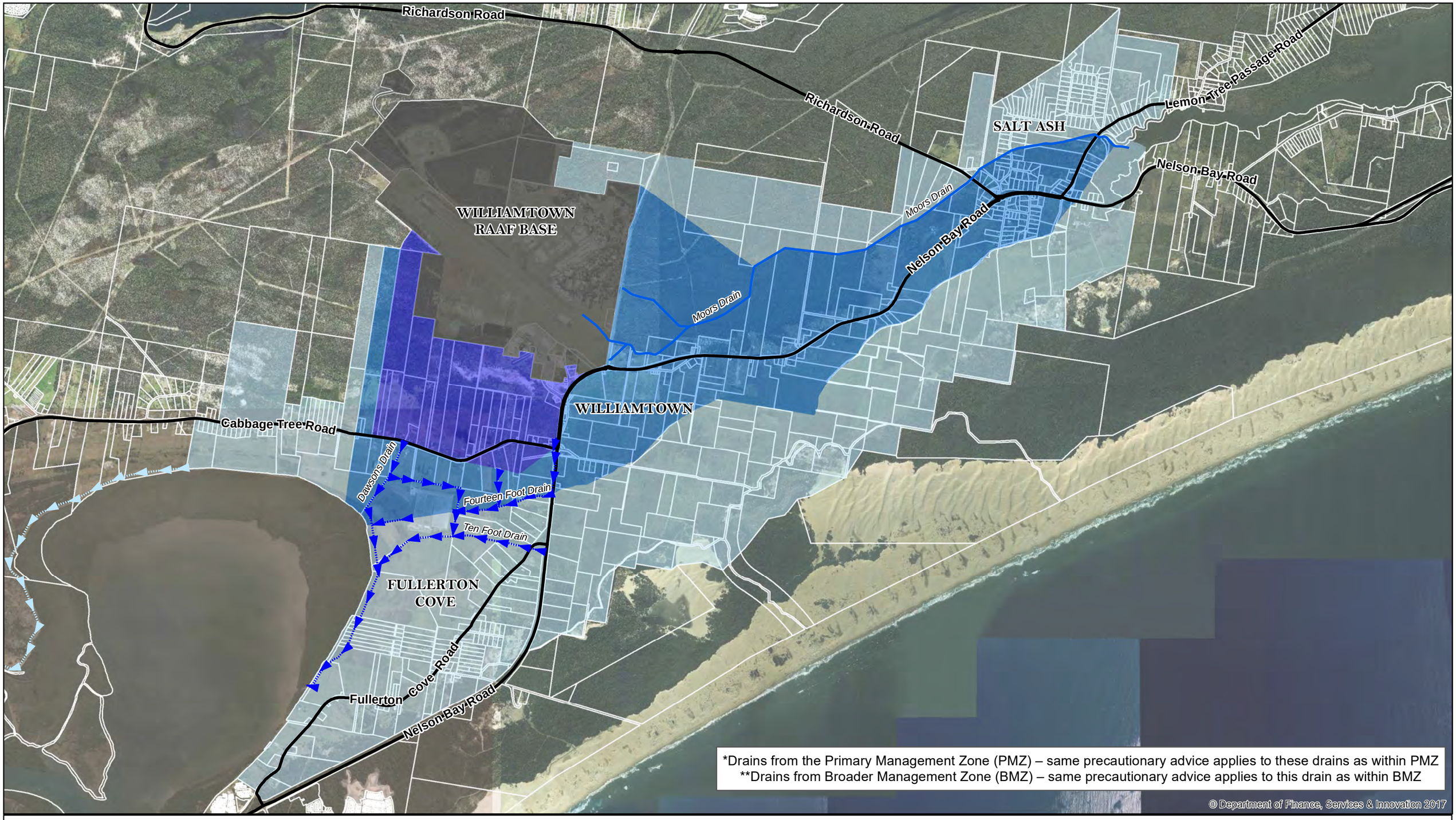
Appendix B

Williamtown Management Area



Primary Management Zone
Secondary Management Zone
Broader Management Zone
Williamtown RAAF Base
Property Boundary
Roads
Moors Drain
Drains from Primary Management Zone*
Drains from Broader Management Zone**

Williamtown Management Area

Map Created: 19/12/2017

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Base imagery: Nearmap 17 November 2017

N

0 1,000 2,000 Metres

Coordinate System: GDA 1994 MGA Zone 56

NSW GOVERNMENT

DRAFT

Appendix C

SOP for Aquatic Biota Sampling

APPENDIX C:

Standard Operating Procedure for Aquatic Biota Sampling

1.0 Introduction

This procedure describes the methods for collecting representative aquatic biota samples from Fullerton Cove. If followed properly, use of this procedure will promote consistency in sampling collection and ensure regulatory compliance across Australia where best practice guidelines have been developed.

It is assumed that an appropriately experienced sub-contractor will be engaged to undertake the sampling. The subcontractor should hold the appropriate sampling permits and ethics approvals for the specific activity that is being undertaken. The sub-contractor engaged will supply all the necessary equipment to catch and store the samples on the vessel.

It is anticipated that an Environmental Scientist will be present at all times during the sampling stage of the works. However, in instances where this may not be possible due to the restrictions of the vessel, the sub-contractor will be fully briefed by the Environmental Consultant as to the procedure required.

2.0 Health and Safety

Health and Safety Plan (HASP) and task specific Safe Work Method Statements (SWMS) will be prepared prior to field works. The SWMS or Job Safety Analysis (JSA) will also be prepared by the sub-contractor for their specific tasks.

Prior to commencement of the works the project team will review the SWMS/JSA and discuss the potential hazards and mitigation measures.

Once the project team arrive at the sampling location, the hazards must be identified and adequate precautions must be taken to ensure the safety of the sampling team.

All sampling personnel must wear personal flotation devices (life vests). In addition it is assumed that the majority of the sampling will be from a boat, where appropriate protective measures must be identified and implemented in accordance with reviewed and approved HASP and SWMS/JSA. In addition, the use of electronic position indicating radio beacons (EPIRBs) will be considered.

3.0 Equipment

Equipment needed for collection of aquatic biota samples, may include:

- Stainless steel buckets.
- Two stainless steel identification board.
- Stainless steel ruler.
- Laboratory supplied polypropylene containers.
- GPS.
- Camera.
- Clipboard.
- Analytical-quality de-ionised water (15 L).
- Notebook / Felt-tipped markers / Waterproof labels.
- Digital scales.
- Cool box and ice.

- Figures of the sampling sites.
- Life vests.

4.0 Procedure

The following steps will be performed:

Monitoring

The following monitoring will be undertaken:

- Target sentinel species, namely School Prawn, Luderick and Dusky Flathead.
- Collection 4 composites of up to 10 individuals be prepared for each species.
- Monitor in Fullerton Cove.
- Monitor between December to March, every second year.

Planning, Mobilisation and Setup

- Prior to mobilisation, the sampling team will review the SAQP and this SOP to ensure they are familiar with the sampling plan, the sampling methods to be employed, and the types and amounts of equipment and supplies needed. This will be conducted by a project kick-off meeting.
- A kick-off meeting will also be conducted with the sub-contractor to ensure that the appropriate documentation in terms of permits are in place.
- The laboratory will be contacted at a minimum of one week prior to the intended sampling date to confirm the mass of tissue required and to ensure that the laboratory has the appropriate personnel available for preparation.
- Field staff will arrange field sampling equipment, as required.
- Weather forecast will be checked in the lead up to the sampling event. In the event that the forecast indicates stormy conditions, the sampling will be postponed until the weather clears.

On Arrival to Site/ Daily

- The conditions on arrival at site will be evaluated and discussed during the Toolbox talk. The sampling team will review the HASP and any modifications to the HASP and SWMS/JSA will be documented.
- Date, time of arrival on site, and site conditions (including weather) will be recorded.
- General locations for sampling will be marked or identified on a site map with a geo-reference to landmarks/topography. GPS coordinates will be recorded for each location. As required, the proposed locations may be adjusted based on site conditions and access.
- Photographs of the sampling locations and surrounding conditions will be taken.

Sampling

- Prior to sampling all dissection equipment will be decontaminated using laboratory supplied deionized water and three separate rinse stages. Sampling and monitoring equipment will also be decontaminated between sampling events at the same location, and following completion of the sampling event.
- Buckets will be prepared for sample holding and cleaning. One bucket (Bucket 1) will be filled with the local water and labelled and a second (Bucket 2) and third bucket (Bucket 3) with DI water. Scrubbing brushes will be used to clean the sample, where required. All scrubbing brushes will be kept in their appropriate buckets – labelling buckets and scrubbing brushes will ensure they are not mixed.
- Samples will be captured utilising the following process, similar to the previous methodologies used during the DSI, and undertaken in accordance with the appropriate permits and ethics approval:
    - Boats will be used to deploy mesh netting. Nets will be placed over night in the target locations and will be collected the following morning. Observations on the number of target species captured, bycatch and water quality will be recorded. Bycatch will be returned to the water, where possible.

- A prawn trawler will be used to trawl a net throughout the target area. At the end of each sampling run the net will be inspected. Observations on the number of target species captured, bycatch and water quality will be recorded. Bycatch will be returned to the water, where possible.
- All target specimens will be retrieved from the nets, euthanised, then prepared for processing to the laboratory. Target fish will be euthanized by blunt force trauma, followed by exsanguination. No compositing will be undertaken in the field.

- Whole samples will be placed on the first identification board, and assigned one of three groupings; Group PR, Group GX or Group GY by the environmental consultant. Groupings are presented in **Table 1**. The species will be logged and measured to confirm if the sample is the legal length, where applicable.
- Where sample does not meet the legal requirements, the sample details will still be recorded, but returned to the water.
- If sample meets the appropriate requirements, it will be placed in Bucket 1 and rinsed of foreign matter.
- The sample will be assigned a sample ID, as per the sample naming system presented in **Table 2** below. The sample will be moved from Bucket 1 and euthanized.
- The sample will be weighed and the weight recorded together with the biometric information as per **Table 3**. Where the specie is from one of the sample groups that are to be composited, sufficient species will be grouped together, with sufficient mass, to form the one sample (with one sample ID).
- After weighing, the sample will be placed in Bucket 2 (containing DI water), scrubbed with a brush and rinsed, the sample will then be rinsed in Bucket 3. The sample will be photographed after it is rinsed. Rinsate samples will be collected as documented in the OMP.
- The sample will be placed into the appropriate sample containers and labelled with the ID. In addition, the sample will also be labelled with the time the sample was bagged and weight of the sample. The sample will be photographed after it is bagged.
- Samples will be placed on ice, the chain of custody (CoC) documentation completed including the job number. Date and time of sample collection, sample ID, name of sampler, laboratory to be used, analyses required, any comments and signatures of the sampler and laboratory receiver.
- The samples will be transported to the laboratory as soon as practicable.
- Upon receipt of the original documents accompanying the samples at the laboratory, the laboratory will provide a sample receipt document (noting temperature of samples upon receipt, analyses required and any non-conformances) and return the signed CoC form to confirm analyses to be performed. Subject to laboratory processing times the samples will be processed and dissected on the day following capture (within the laboratory).

On Leaving Site

- Place all specimens in appropriate containers and chilled.
- Ensure all samples are appropriately labelled and kept out of sunlight once sampled.
- Call the laboratory and let them know that the samples are being delivered.
- Follow the communications plan detailed in the HASP on demobilisation from site.

5.0 Sample Preparation

As noted in **Section 4.0**, samples are caught whole, washed at the point of sampling and then transported to the laboratory.

The samples will be registered in line with the laboratory procedures (as noted in **Section 4.0**).

Two types of sample preparation will be required depending on the Biota Group:

- Group PR will be prepared as composite samples as detailed in **Section 5.1**; and
- Group X and Group Y will be prepared as whole samples.

5.1 Composite sampling (prawns)

This step relates to samples with an ID relating to Group PR.

The sample will be removed from its storage container and deshelled. The edible portion of the sample will removed from the remainder of the sample. The portion of the sample removed from the shell will be weighed and recorded.

The deshelled potion will be placed into an appropriate container.

All surfaces and equipment discarded or cleaned with scrubbing and clean water between each sample. Knife mill and homogeniser cleaned with PFAS-free detergent and clean water.

All samples to be held will be placed into appropriate storage containers and placed in freezers in the laboratory.

5.2 Whole samples (fillets)

This step relates to samples with an ID relating to Group GX and Group GY.

The sample will be descaled and gutted.

If the contents of the gut are identifiable, it will be recorded.

Where fish gonads (i.e. roe and milt) are present, they will be removed from the fish and recorded. The fish gonads will be placed in separate containers and assigned an ID of the parent fish, with a sub ID GONADS. The sample will be frozen and placed on hold and will be analysed, pending discussion with project team.

Once the sample is descaled and gutted, the sample will be filleted with the skin intact. The right side fillet will be used as the primary sample and the left side fillet will be placed on hold. Where a fish is earmarked for duplicate or triplicate analysis the left fillet of the primary will be used.

All surfaces and equipment discarded or cleaned with scrubbing and clean water between each sample. Knife mill and homogeniser cleaned with PFAS-free detergent and clean water.

5.3 Sample Details

The length for each species is provided in **Table 1**, below.

Table 1 Species List and Groupings

Species	Legal length* cm Saltwater
PR	
School Prawn (Metapenaeus macleayi)	-
Group GX	
Dusky Flathead (Platycephalus fuscus)	36
Group GY	
Luderick (Girella tricuspidata)	27

*Legal Length (should be confirmed with NSW DPI website at the time of sampling)

The sample nomenclature is presented in **Table 2**, the example shows that sampling occurs in Fullerton Cove (FC) with one dusky flathead, one luderick and one school prawn caught.

Table 2 Sampling Nomenclature

Site	Species Group	Sample number	Date	Sample ID	Comment
FC	PR	002	20180111	FC_PR_002_20180111	School Prawn
FC	GX	003	20180111	FC_GX_003_20180111	Dusky Flathead
FC	GY	003	20180111	FC_GY_003_20180111	Luderick

The information that is required to be recorded is provided in **Table 3**, below.

Table 3 Information to be recorded per sample

Item
Sampling Location
Date
Time
Weather conditions
Species: Name
Photo
Length
Weight
Observations:
Abundance of species in the area?
Sample Preparation
How was sample caught
Was sample washed
All whole samples will be filleted in the primary laboratory.

DRAFT

Appendix D

Standard PFAS Analytical Suite Guidance

Australian Government
Defence

Department of Defence

PFAS INVESTIGATION AND MANAGEMENT

GUIDANCE DOCUMENT E
STANDARD PFAS ANALYTICAL SUITE

Document Version History

Document Reference	Revision	Date
AF29889468	1	10 July 2017
AF32594670	2	21 March 2018
AF32594670	3	6 April 2018
BS24034025	4	1 October 2021
BS24034025	5	29 June 2022

Analytical laboratories analyse a range of PFAS which includes a small subset of all possible PFAS. These analytical suites vary between laboratories and over time as new chemical standards become available. The minimum suite required for Defence PFAS investigations and management is listed in Table 1.

Table 1 Minimum PFAS analytical suite for Defence PFAS investigations and management

Group	Acronym	Chemical Compound	CAS No.
Perfluoroalkane Sulfonic Acids	PFBS	Perfluorobutane sulfonic acid	375-73-5
	PFPeS	Perfluoropentane sulfonic acid	2706-91-4
	PFHxS	Perfluorohexane sulfonic acid	355-46-4
	PFHpS	Perfluoroheptane sulfonic acid	375-92-8
	PFOS	Perfluorooctane sulfonic acid	1763-23-1
	PFDS	Perfluorodecane sulfonic acid	335-77-3
Perfluoroalkane Carboxylic Acids	PFBA	Perfluorobutanoic acid	375-22-4
	PFPeA	Perfluoropentanoic acid	2706-90-3
	PFHxA	Perfluorohexanoic acid	307-24-4
	PFHpA	Perfluoroheptanoic acid	375-85-9
	PFOA	Perfluorooctanoic acid	335-67-1
	PFNA	Perfluorononanoic acid	375-95-1
	PFDA	Perfluorodecanoic acid	335-76-2
	PFUnDA	Perfluoroundecanoic acid	2058-94-8
	PFDoDA	Perfluorododecanoic acid	307-55-1
	PFTrDA	Perfluorotridecanoic acid	72629-94-8
	PFTeDA	Perfluorotetradecanoic acid	376-06-7
Perfluoroalkyl Sulfonamides	FOSA	Perfluorooctane sulfonamide	754-91-6
	MeFOSA	N-Methyl perfluorooctane sulfonamide	31506-32-8
	EtFOSA	N-Ethyl perfluorooctane sulfonamide	4151-50-2
	MeFOSE	N-methyl perfluorooctane sulfonamidoethanol	24448-09-7
	EtFOSE	N-Ethyl perfluorooctane sulfonamidoethanol	1691-99-2
	MeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid	2355-31-9
	EtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid	2991-50-6
(n:2) Fluorotelomer Sulfonic Acids	4:2 FTS	4:2 Fluorotelomer sulfonic acid	757124-72-4
	6:2 FTS	6:2 Fluorotelomer sulfonic acid	27619-97-2
	8:2 FTS	8:2 Fluorotelomer sulfonic acid	39108-34-4
	10:2 FTS	10:2 Fluorotelomer sulfonic acid	120226-60-0

The minimum PFAS analytical suite is based on consideration of analytical capability and the dominant PFAS that are likely to be present in environmental media due to legacy contamination from AFFF used by Defence. In specific instances, for example analysis of AFFF concentrates, it may be necessary to use other methods such as the TOP and/or TOF assays. In these cases, the analytical methods need to be established by data quality objectives (DQOs) for the project.

The laboratory is required to use NATA accredited methods for PFAS quantification based on guidance in the *PFAS National Environmental Management Plan* (NEMP, 2020).

END OF TEXT

Appendix G

OMP Sampling Event Reports

Prepared for
Department of Defence
ABN: 68706814312

Sampling Event Factual Report - Biota Sampling, 2024

PFAS OMP - RAAF Base Williamtown

31-Jul-2024
Doc No. 20240724_OMP002_WLM_BiotaFactualRpt_Rev0

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Delivering a better world

Sampling Event Factual Report - Biota Sampling, 2024

PFAS OMP - RAAF Base Williamtown

Client: Department of Defence

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AECOM in Australia and New Zealand is certified to ISO9001, ISO14001 and ISO45001.

Quality Information

Document Sampling Event Factual Report - Biota Sampling, 2024

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Revision History

Rev	Revision Date	Details
A	3-Jul-2024	Draft
B	24-Jul-2024	Draft
0	31-Jul-2024	Final

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List of Units

Units	Term
mg	Milligrams
g	Grams
kg	Kilograms
mm	Millimetres
km	Kilometres
km/hr	Kilometres per hour
mg/kg	Milligrams per kilogram

1.0 Introduction

1.1 Preamble

AECOM Australia Pty Ltd (AECOM) has been engaged by the Department of Defence (Defence) to implement the per- and poly-fluoroalkyl substances (PFAS) Ongoing Monitoring Plan (OMP) at the RAAF Base Williamtown ('the Base') and the Williamtown Management Area.

Between 24 January and 22 April 2024, AECOM undertook an aquatic biota sampling event at Fullerton Cove (refer to **Figure F1**, in **Appendix A**) located approximately 4 km southwest of the Base and included selected locations and specific species as outlined in the *Addendum Ongoing Monitoring Plan – Biota Sampling, RAAF Base Williamtown* dated May 2019 (AECOM, 2019).

The monitoring event was undertaken in accordance with the *Sampling and Analysis Quality Plan* (SAQP) Rev K (AECOM, 2023).

1.2 Objectives

The objective of the biota sampling event is to provide the NSW Government with monitoring data of temporal variations of PFAS concentrations in selected sentinel finfish and Crustacea appropriate to support and/or update ongoing advice relating to minimising PFAS exposure.

2.0 Scope of Work

The planned scope of work for the biota sampling event included:

- collection of aquatic biota specimens from Fullerton Cove between 24 January 2024 and 22 April 2024. The target biota species collected comprised dusky flathead (*P. fuscus*), luderick (*G. tricuspidata*) and the school prawn (*M. macleayi*)
- preparation of 12 composite samples (up to 10 individuals for dusky flathead and luderick, and up to 40 individuals for school prawn) by the National Measurement Institute (NMI) laboratory.
- retention of one frozen composite sample at NMI for potential future analysis
- collection of data relating to the type and quantity of any bycatch caught in the sampling equipment
- collection of water quality parameters (dissolved oxygen, electrical conductivity, pH, redox and temperature) during sampling
- photograph the aquatic biota specimens caught and the sampling locations and keep on record in project file
- analysis of the composite samples for the extended PFAS suite at the standard laboratory limit of reporting (LOR)
- preparation of this factual biota sampling event report.

Deviations from this scope are discussed in **Section 3.0**.

3.0 Deviations from the SAQP

The 2024 biota sampling event was completed in general accordance with the SAQP (AECOM, 2023), with the exception of the deviations outlined in **Table 1** below.

Table 1 Deviations from SAQP (AECOM, 2023)

SAQP	January to April 2024 Sampling Event
Annual biota sampling events are to be completed in February	Due to the reported scarcity of sentinel species in Fullerton Cove, NSW Department of Primary Industries (DPI), Port Stephens Fisheries Institute (Fisheries) recommended extending the duration of the annual biota sampling event from January 2024 until April 2024 in an effort to collect the target number of individual specimens.
Method of fish euthanasia	During the 2024 sampling event, fish were euthanised by ice and water, rather than the methodology specified in the SAQP (blunt force trauma followed by exsanguination). This alternative method was considered by DPI Fisheries to be suitable and within their permit. This change in methodology is unlikely to impact the reliability of the results.
Records of water quality parameters	During sample collection events on 19 February 2024, and 28 March 2024, DPI Fisheries did not record water quality parameters. While this is noted to be a deviation from the SAQP, it is not considered to impact the reliability of the analytical data collected.

4.0 Methodology

The biota sampling event was completed at Fullerton Cove between January to April 2024 in accordance with the OMP (AECOM, 2019) and the SAQP (AECOM, 2023).

4.1 Sampling Locations

The sampling was conducted on 24 January 2024, 19 February 2024, 28 March 2024 and 22 April 2024 in Fullerton Cove from two locations shown in **Table 2** below. Samples were collected by the DPI Fisheries.

Refer to **Figure F2** in **Appendix A** for specific biota sampling locations.

Table 2 Biota Sampling Locations

Sample Location ID	Sampling Date	Latitude	Longitude
1	24/01/2024	-32.832225	151.799092
2	19/02/2024 28/03/2024 22/04/2024	-32.850325	151.802096

4.2 Sample Type

The following sentinel species as outlined in the OMP (AECOM, 2019) were sampled:

- Dusky flathead (*P. fuscus*)
- Luderick (*G. tricuspidata)*
- School prawn (*M. macleayi*).

4.3 Sampling Methodology

DPI Fisheries were responsible for obtaining the required sampling permits, and sample collection was conducted under a Section 37 Scientific Collection Permit (Permit FP23-55), and an Animal Research Authority issued by NSW Department of Primary Industries (Permit 22-502).

4.3.1 Sample Collection

Aquatic biota samples were captured utilising the following process:

- boats were used to deploy mesh netting. Nets were placed in the target locations and were collected within 3 hours for luderick and dusky flathead. School prawns were captured using an otter trawl net
- observations on the number of target species and bycatch captured were recorded. Live bycatch was returned to the water, and dead bycatch was retained and disposed
- target specimens were retrieved from the nets and euthanised by ice and water
- target specimens were placed in labelled plastic bags and transported to the Port Stephens Fisheries Institute on ice in a portable cooler.
- target specimen metrics (length, weight, bag number) were recorded at the Fisheries Institute by DPI Fisheries with the exception of eastern school prawns, which were not measured (length).
- water quality parameters including (dissolved oxygen, electrical conductivity, pH, redox and temperature) were recorded by DPI Fisheries.

4.3.2 Sample Preparation

Aquatic biota sample preparation (for analysis) was undertaken utilising the following process:

- Biota sample preparation occurred at the Fisheries Institute which involved descaling the fish, removing the left fillet (with skin remaining on the fillet), and placing it into a clean plastic bag corresponding to that particular composite sample. Prawns were peeled and muscle meat (including vein) placed into the bag.
- DPI Fisheries prepared 12 composite samples of up to 10 individuals for finfish and 87 individuals for school prawn. The bags containing the composites were frozen in readiness for shipment to the laboratory. The composite sample information is presented in **Table 3**.

The biota samples were transported directly from the Fisheries Institute to NMI laboratory, located in North Ryde NSW on ice and under chain-of-custody (CoC). Each composite sample was homogenised at the laboratory in readiness for PFAS analysis.

Table 3 Composite Sample Information

Sample ID	Species	Type of Sample	No. of Samples in Composite	Location(s) Species Collected From
0908_BIOAFA064_240124	School Prawn	Crustacean-Muscle/vein	85	1
0908_BIOAFA065_240124	School Prawn	Crustacean-Muscle/vein	81	1
0908_BIOAFA066_240124	School Prawn	Crustacean-Muscle/vein	86	1
0908_BIOAFA067_240124	School Prawn	Crustacean-Muscle/vein	87	1
0908_BIOAFA068_240328	Dusky Flathead	Fish-Muscle/skin	10	2
0908_BIOAFA069_240328	Dusky Flathead	Fish-Muscle/skin	10	2
0908_BIOAFA070_240328	Dusky Flathead	Fish-Muscle/skin	10	2
0908_BIOAFA071_240422	Dusky Flathead	Fish-Muscle/skin	10	2
0908_BIOAFA072_240328	Luderick	Fish-Muscle/skin	10	2
0908_BIOAFA073_240328	Luderick	Fish-Muscle/skin	10	2
0908_BIOAFA074_240422	Luderick	Fish-Muscle/skin	10	2
0908_BIOAFA075_240422	Luderick	Fish-Muscle/skin	8	2

4.4 Laboratory Analysis

The composite biota tissue samples were analysed for the extended PFAS suite.

Laboratory reports and CoC documentation are presented in **Appendix C**.

4.5 Adopted Screening Criteria

The adopted screening criteria for this aquatic biota sampling event are sourced from the Food Standards Australia New Zealand (FSANZ) *Perfluorinated chemicals in food* (FSANZ, 2017) and are summarised in **Table 4** below.

Table 4 PFAS Screening Criteria - Aquatic Biota

Compound	Criteria	Comment
FSANZ 2017 2-6 years Crustaceans (all species)		
PFOS	0.065 mg/kg	*All school prawn sample results will be compared against these criteria*
PFHxS	0.065 mg/kg	
PFOA	0.52 mg/kg	
FSANZ 2017 2-6 years Finfish (all species)		
PFOS	0.0052 mg/kg	*All luderick and dusky flathead sample results will be compared against these criteria*
PFHxS	0.0052 mg/kg	
PFOA	0.041 mg/kg	

4.6 Data Quality Objectives and Data Validation

The data quality objectives (DQOs) and data quality indicators (DQIs) adopted for these works are presented in the SAQP (AECOM, 2023).

Data validation assessment is provided in **Appendix D**.

Data validation procedure employed in the assessment of the field and laboratory QA/QC data indicated that the reported analytical results are representative of the sample locations and that the overall quality of the analytical data produced is acceptably reliable for the purpose of this report.

All data collected during this event has been reviewed and uploaded to the Defence ESdat database in accordance with DCMM requirements

5.0 Results

5.1 Conditions During Sampling

Sampling was conducted on 24 January 2024, 19 February 2024, 28 March 2024 and 22 April 2024. Weather conditions recorded by the Bureau of Meteorology (BoM) (Station 061078) on these dates are summarised in **Table 5** below:

Table 5 Weather Observations

Date	Temperature(˚C)	Rainfall (mm)	Max Wind (km/h)
24 January 2024	17.2 – 33.3	0	31
19 February 2024	20.9 – 23.6	0.2	37
28 March 2024	16.5 – 25.2	0.2	37
22 April 2024	13.5 – 23.6	0	30

The water quality parameters collected on 24 January 2024 and 22 April 2024 are summarised in **Table 6**.

Table 6 Water Quality Parameters

Date	Dissolved Oxygen (mg/L)	Electrical Conductivity (mS/cm)	pH	Turbidity (NTU)	Temperature (°C)
24 January 2024	6.04	45.5	7.89	24.5	23.97
22 April 2024	6.93	27.5	7.95	52	18.14

5.2 Number of Sampled Biota and Characteristics

A summary of the bycatch reported by DPI Fisheries during the 2024 biota sampling event is provided below:

- 15 Tailor, two (2) Mulloway, five (5) Mullet and three (3) Blue Swimmer Crabs on 24 January 2024
- Nine (9) Blue Swimmer Crabs, three (3) Mud Crabs and one (1) Yellowfin Bream on 19 February 2024
- Five (5) Blue Swimmer Crabs and three (3) Mulloway on 28 March 2024, and
- No bycatch recorded on 22 April 2024.

The number of luderick (*G. tricuspidata)*, dusky flathead (*P. fuscus*) and school prawn (*M. macleayi*) collected during the 2024 biota sampling event are presented in **Table 7**.

The average length and weight recorded for each species was as follows:

- 2.65 grams (g) for school prawns. Note that the average length of school prawns was not recorded.
- 37 cm and 868 g for luderick.
- 46 cm and 632 g for dusky flathead.

Table 7 Aquatic Biota Sampled

Location ID	No. of School Prawn Samples	No. of Luderick Individuals	No. of Dusky Flathead Individuals
1	339	0	0
2	0	40	38

5.3 Analytical Results

The samples were analysed for the PFAS suite and are provided in **Table T1** in **Appendix B**.

A summary of the reported concentrations of PFOS, PFHxS and PFOA in biota tissues are presented in **Table 8**.

Table 8 Summary of Aquatic Biota PFAS Analytical Concentrations

Analyte	Number of samples analysed	Number of detections	Minimum concentration (mg/kg)	Maximum concentration (mg/kg)
Dusky Flathead (*Platycephalus fuscus*)				
PFOS	4	4	0.0054	0.01
PFHxS	4	1	<0.0001	0.00017
PFOA	4	0	<0.0001	<0.0001
Luderick (*Girella tricuspidata*)				
PFOS	4	4	0.0036	0.0042
PFHxS	4	0	<0.0001	<0.0001
PFOA	4	0	<0.0001	<0.0001
School Prawn (*Metapenaeus macleayi*)				
PFOS	4	4	0.0048	0.012
PFHxS	4	4	0.0015	0.0017
PFOA	4	4	0.00031	0.00037

A summary of the PFAS concentrations detected in the tissue samples is as follows:

- PFOS was detected in all biota composite samples with concentrations ranging between 0.0036 mg/kg and 0.012 mg/kg
- the PFOS concentrations in the four dusky flathead composite samples analysed were above the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years). PFHxS was reported in one dusky flathead composite sample (0.00017 mg/kg), however the concentration was an order of magnitude below the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years)
- the PFOS concentrations in the four luderick composite samples analysed were below the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years)
- the PFOS concentrations in the four school prawn composite samples analysed were below the FSANZ (2017) crustacean trigger value of 0.065 mg/kg (for children aged between two and six years)
- PFHxS was detected for the first time at a concentration above the laboratory limit of reporting (LOR) in dusky flathead. The reported concentration of PFHxS (0.0002 mg/kg) was below the FSANZ (2017) finfish trigger of 0.0052 mg/kg
- in addition to PFOS, PFHxS and PFOA were reported in the composite samples collected from the school prawn with concentrations ranging between 0.0015 and 0.0017 mg/kg for PFHxS and between 0.00031 to 0.00037 mg/kg for PFOA, which were all below the adopted FSANZ (2017) crustacean trigger value

The concentrations of PFAS were reported within the historical range (for samples collected between 2016 and 2022) for the respective sentinel species analysed with the exception of the first-time detection of PFHxS in dusky flathead. It is noted that the concentration reported during the current sampling event (0.0002 mg/kg) is below the historical laboratory LOR (0.0005 mg/kg), which suggests

that this compound was likely present at trace concentrations during historical sampling events, however they were below the laboratories limit of reporting at the time.

No other PFAS were detected at concentrations above the laboratory LORs in the luderick and dusky flathead composite samples analysed. Trace concentrations of PFNA, PFDA, PFPeS, PFHpS and N-MeFOSAA were reported in the school prawns composite samples above the laboratory LOR, however there are currently no screening criteria for these compounds.

6.0 Discussion

AECOM completed the biota sampling event in Fullerton Cove between 24 January 2024 and 22 April 2024 to meet the requirements of the OMP (AECOM, 2019). The target species collected were the school prawn *(M. macleaya)*; luderick (*G. tricuspidata)* and dusky flathead (*P. fuscus*).

A summary of the PFAS concentrations detected in the tissue samples was as follows:

- PFOS was detected in all biota composite samples with concentrations ranging between 0.0036 mg/kg and 0.012 mg/kg
- concentrations of PFOS in the dusky flathead composite samples analysed were above the FSANZ (2017) finfish trigger value of 0.0052 mg/kg (for children aged between two and six years). Concentrations of PFOS in remaining composite samples were below the FSANZ (2017) trigger values
- in addition to PFOS, PFHxS and PFOA were reported in the composite samples collected from the school prawn with concentrations ranging between 0.0015 and 0.0017 mg/kg for PFHxS and between 0.00031 to 0.00037 mg/kg for PFOA, which were all below the adopted FSANZ (2017) crustacean trigger value
- no other PFAS compounds were detected at concentrations above the laboratory LORs in the luderick and dusky flathead composite samples analysed. Trace concentrations of PFNA, PFDA, PFPeS, PFHpS and N-MeFOSAA were reported in the school prawns composite samples above the laboratory LOR, however there are currently no screening criteria for these compounds.

The concentrations of PFAS were reported within the historical range (for samples collected between 2016 and 2022) for the respective sentinel species analysed with the exception of the first time detection of PFHxS in dusky flathead. It is noted that the concentration reported during the current sampling event is below the historical laboratory limit of reporting, which suggests that this compound was likely present at trace concentrations during historical sampling events, however they were below the laboratories limit of reporting at the time.

The historical biota results collected under the OMP (between 2020 and 2024) are presented in **Table T2 (Appendix B)**. AECOM notes that no biota sampling events were undertaken in 2023 given that, at the time, the OMP (including the frequency of biota sampling events) was under review.

7.0 References

AECOM, 2017. *Off-Site Human Health Risk Assessment December 2017 RAAF Base Williamtown Stage 2B Environmental Investigation.* 1 December 2017.

AECOM, 2019. *Addendum OMP – Biota Sampling, RAAF Base Williamtown*. 27 May 2019.

AECOM, 2023. *Sampling and Analysis Quality Plan, PFAS OMP, RAAF Base Williamtown*. Rev K dated 3 November 2023.

FSANZ (2017) *Perfluorinated chemicals in food*. Food Standards Australia New Zealand.

Appendix A

Figures

KEY

- RAAF Base Williamtown
- Biota Sampling Area
- State Conservation Area
- Watercourse

SCALE 1:65,000 | SIZE A3

SHEET 1 of 1 | COORDINATE SYSTEM GDA 1994 MGA Zone 56

TITLE
Figure F1: Biota Sampling Area

PROJECT
BIOTA SAMPLING -
2024, RAAF BASE WILLIAMTOWN

CLIENT
DEPARTMENT OF DEFENCE

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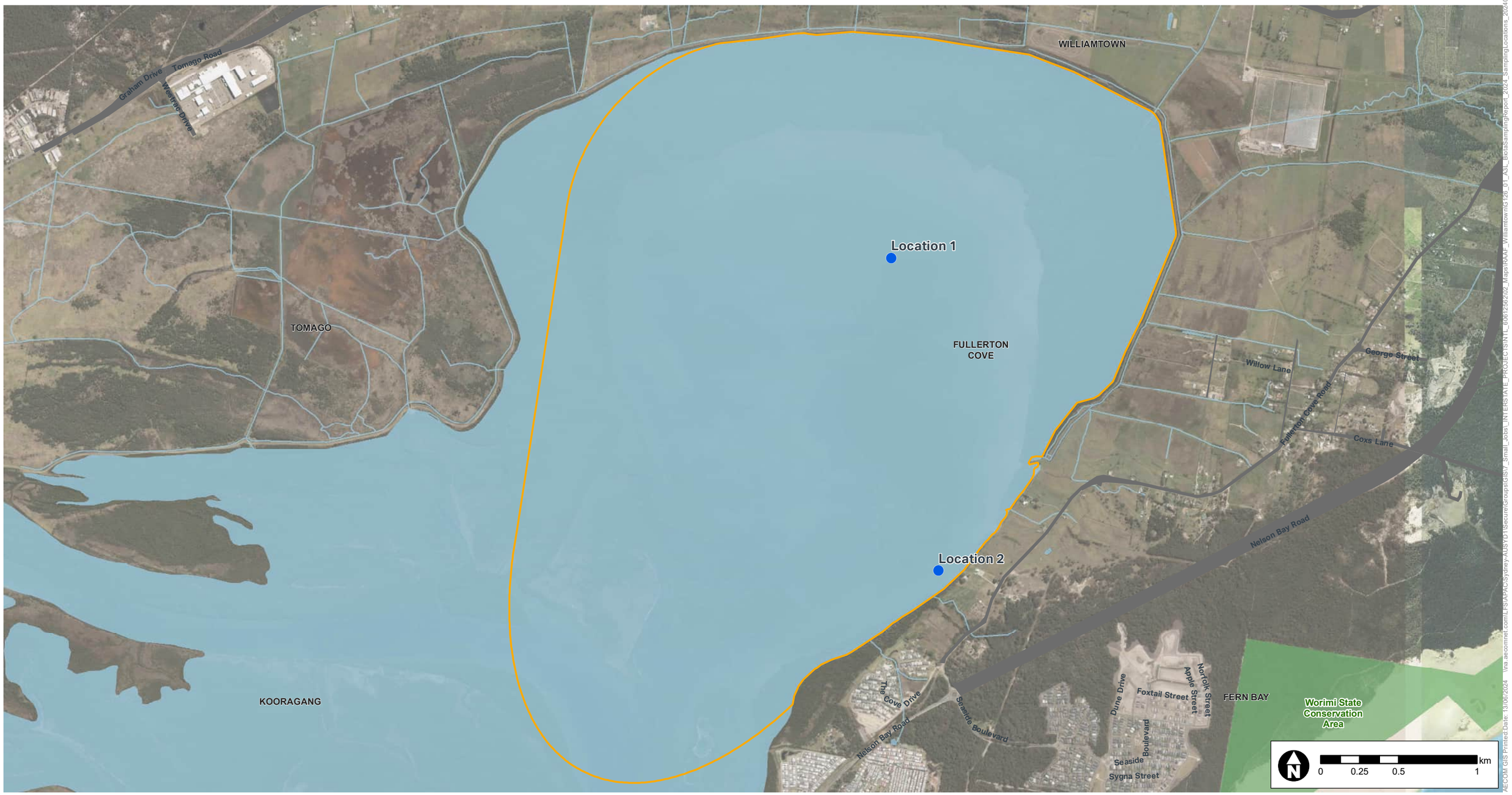

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KEY

- Biota Sampling Area
- Aquatic Biota Sampling Locations
- State Conservation Area
- Watercourse

SCALE 1:24,000 | SIZE A3

SHEET **1 of 1** | COORDINATE SYSTEM GDA 1994 MGA Zone 56

TITLE

Figure F2: Biota Sampling Locations

PROJECT

BIOTA SAMPLING -
2024, RAAF BASE WILLIAMTOWN

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Appendix B

Tables

Table T1 - Aquatic Biota Analytical Results

				PFAS			PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.005	0.0005	0.0001	0.005
FSANZ 2017 2-6 years Crustaceans (all species)				0.52	0.065	0.065																									
FSANZ 2017 2-6 years Finfish (all species)				0.041	0.0052	0.0052																									
Location Code	**Date**	**Field ID**	**Species Type**	**Lab Report #**																											
BIOAFA064	24 Jan 2024	0908_BIOAFA064_240124	Eastern School Prawn	RN1432806	0.00034	0.0048	0.0016	<0.0001	0.00024	0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00017	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00026	<0.005	<0.0005	<0.0001	<0.005
BIOAFA065	24 Jan 2024	0908_BIOAFA065_240124	Eastern School Prawn	RN1432806	0.00031	0.012	0.0015	<0.0001	0.00022	0.00056	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.0002	<0.005	<0.0005	<0.0001	<0.005
BIOAFA066	24 Jan 2024	0908_BIOAFA066_240124	Eastern School Prawn	RN1432806	0.00033	0.0049	0.0015	<0.0001	0.00022	0.00023	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00013	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00024	<0.005	<0.0005	<0.0001	<0.005
BIOAFA067	24 Jan 2024	0908_BIOAFA067_240124	Eastern School Prawn	RN1432806	0.00037	0.0048	0.0017	<0.0001	0.0002	0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00025	<0.005	<0.0005	<0.0001	<0.005
BIOAFA068	28 Mar 2024	0908_BIOAFA068_240328	Dusky Flathead	RN1432806	<0.0001	0.01	0.00017	<0.0001	<0.0001	0.00016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA069	28 Mar 2024	0908_BIOAFA069_240328	Dusky Flathead	RN1432806	<0.0001	0.0079	<0.0001	<0.0001	<0.0001	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA070	28 Mar 2024	0908_BIOAFA070_240328	Dusky Flathead	RN1432806	<0.0001	0.0064	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA071	22 Apr 2024	0908_BIOAFA071_240422	Dusky Flathead	RN1432806	<0.0001	0.0054	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA072	28 Mar 2024	0908_BIOAFA072_240328	Luderick	RN1432806	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA073	28 Mar 2024	0908_BIOAFA073_240328	Luderick	RN1432806	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA074	22 Apr 2024	0908_BIOAFA074_240422	Luderick	RN1432806	<0.0001	0.0042	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA075	22 Apr 2024	0908_BIOAFA075_240422	Luderick	RN1432806	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005

Notes
LOR = Limit of Reporting
mg/kg = milligrams per kilogram
Dusky Flathead and Luderick samples compared against the 'FSANZ 2017 2-6 years Finfish (all species)' criteria
School Prawn samples compared against the 'FSANZ 2017 2-6 years Crustaceans (all species)' criteria

Table T2 - Historical Aquatic Biota Analytical Results

				PFAS			PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.005	0.0005	0.0001	0.005
FSANZ 2017 2-6 years Crustaceans (all species)				0.52	0.065	0.065																									
FSANZ 2017 2-6 years Finfish (all species)				0.041	0.0052	0.0052																									
Location Code	**Date**	**Field ID**	**Species Type**	**Lab Report #**																											
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C1	Eastern School Prawn	RN1267525	<0.0003	0.0069	0.00066	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C2	Eastern School Prawn	RN1267525	<0.0003	0.0064	0.0021	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C3	Eastern School Prawn	RN1267525	<0.0003	0.0074	0.0021	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA029	07 Feb 2020	2002.HUR.1.METMAC.C4	Eastern School Prawn	RN1267525	<0.0003	0.0054	0.00096	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C1	Luderick	RN1267525	<0.0003	0.0013	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C2	Luderick	RN1267525	<0.0003	0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C3	Luderick	RN1267525	<0.0003	0.0014	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA034	21 Jan 2020	2001.HUR.1.GIRTRI.C4	Luderick	RN1267525	<0.0003	0.0015	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C1	Dusky Flathead	RN1267525	<0.0003	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C2	Dusky Flathead	RN1267525	<0.0003	0.0047	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C3	Dusky Flathead	RN1267525	<0.0003	0.0031	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA036	21 Jan 2020	2001.HUR.1.PLAFUS.C4	Dusky Flathead	RN1267525	<0.0003	0.0041	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA040	08 Feb 2021	2102.HUR.1.METMAC.C1	Eastern School Prawn	RN1311519	<0.0003	0.021	0.0085	<0.0005	0.00061	0.00071	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA041	08 Feb 2021	2102.HUR.1.METMAC.C2	Eastern School Prawn	RN1311519	<0.0003	0.021	0.0086	<0.0005	0.00057	0.00058	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA042	08 Feb 2021	2102.HUR.1.METMAC.C3	Eastern School Prawn	RN1311519	<0.0003	0.023	0.0062	<0.0005	0.00054	0.00078	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA043	08 Feb 2021	2102.HUR.1.METMAC.C4	Eastern School Prawn	RN1311519	<0.0003	0.02	0.0067	<0.0005	0.00054	0.0007	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA044	09 Feb 2021	2102.HUR.1.PLAFUS.C1	Dusky Flathead	RN1311519	<0.0003	0.011	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA045	09 Feb 2021	2102.HUR.1.PLAFUS.C2	Dusky Flathead	RN1311519	<0.0003	0.011	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA046	09 Feb 2021	2102.HUR.1.PLAFUS.C3	Dusky Flathead	RN1311519	<0.0003	0.0094	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA047	09 Feb 2021	2102.HUR.1.PLAFUS.C4	Dusky Flathead	RN1311519	<0.0003	0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA048	08 Feb 2021	2102.HUR.1.GIRTRI.C1	Luderick	RN1311519	<0.0003	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA049	08 Feb 2021	2102.HUR.1.GIRTRI.C2	Luderick	RN1311519	<0.0003	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA050	08 Feb 2021	2102.HUR.1.GIRTRI.C3	Luderick	RN1311519	<0.0003	0.0022	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA051	08 Feb 2021	2102.HUR.1.GIRTRI.C4	Luderick	RN1311519	<0.0003	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA052	23 Feb 2022	0908_BIOAFA052_220223	Eastern School Prawn	RN1354026	<0.0003	0.0063	0.00059	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA053	23 Feb 2022	0908_BIOAFA053_220223	Eastern School Prawn	RN1354026	<0.0003	0.0072	0.0008	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA054	23 Feb 2022	0908_BIOAFA054_220223	Eastern School Prawn	RN1354026	<0.0003	0.0058	0.00062	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA055	23 Feb 2022	0908_BIOAFA055_220223	Eastern School Prawn	RN1354026	<0.0003	0.0053	0.00058	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA056	23 Feb 2022	0908_BIOAFA056_220223	Dusky Flathead	RN1354026	<0.0003	0.012	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA057	23 Feb 2022	0908_BIOAFA057_220223	Dusky Flathead	RN1354026	<0.0003	0.014	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA058	23 Feb 2022	0908_BIOAFA058_220223	Dusky Flathead	RN1354026	<0.0003	0.013	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA059	23 Feb 2022	0908_BIOAFA059_220223	Dusky Flathead	RN1354026	<0.0003	0.013	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA060	23 Feb 2022	0908_BIOAFA060_220223	Luderick	RN1354026	<0.0003	0.0021	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA061	23 Feb 2022	0908_BIOAFA061_220223	Luderick	RN1354026	<0.0003	0.0046	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA062	23 Feb 2022	0908_BIOAFA062_220223	Luderick	RN1354026	<0.0003	0.0014	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA063	23 Feb 2022	0908_BIOAFA063_220223	Luderick	RN1354026	<0.0003	0.0019	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	-	-	<0.0005	-
BIOAFA064	24 Jan 2024	0908_BIOAFA064_240124	Eastern School Prawn	RN1432806	0.00034	0.0048	0.0016	<0.0001	0.00024	0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00017	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00026	<0.005	<0.0005	<0.0001	<0.005
BIOAFA065	24 Jan 2024	0908_BIOAFA065_240124	Eastern School Prawn	RN1432806	0.00031	0.012	0.0015	<0.0001	0.00022	0.00056	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.0002	<0.005	<0.0005	<0.0001	<0.005
BIOAFA066	24 Jan 2024	0908_BIOAFA066_240124	Eastern School Prawn	RN1432806	0.00033	0.0049	0.0015	<0.0001	0.00022	0.00023	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00013	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00024	<0.005	<0.0005	<0.0001	<0.005
BIOAFA067	24 Jan 2024	0908_BIOAFA067_240124	Eastern School Prawn	RN1432806	0.00037	0.0048	0.0017	<0.0001	0.0002	0.00025	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00016	0.00014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	0.00025	<0.005	<0.0005	<0.0001	<0.005
BIOAFA068	28 Mar 2024	0908_BIOAFA068_240328	Dusky Flathead	RN1432806	<0.0001	0.01	0.00017	<0.0001	<0.0001	0.00016	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA069	28 Mar 2024	0908_BIOAFA069_240328	Dusky Flathead	RN1432806	<0.0001	0.0079	<0.0001	<0.0001	<0.0001	0.00012	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA070	28 Mar 2024	0908_BIOAFA070_240328	Dusky Flathead	RN1432806	<0.0001	0.0064	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA071	22 Apr 2024	0908_BIOAFA071_240422	Dusky Flathead	RN1432806	<0.0001	0.0054	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA072	28 Mar 2024	0908_BIOAFA072_240328	Luderick	RN1432806	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA073	28 Mar 2024	0908_BIOAFA073_240328	Luderick	RN1432806	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA074	22 Apr 2024	0908_BIOAFA074_240422	Luderick	RN1432806	<0.0001	0.0042	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005
BIOAFA075	22 Apr 2024	0908_BIOAFA075_240422	Luderick	RN1432806	<0.0001	0.0036	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0001	<0.005	<0.0005	<0.0001	<0.005

Notes
LOR = Limit of Reporting
mg/kg = milligrams per kilogram
Dusky Flathead and Luderick samples compared against the 'FSANZ 2017 2-6 years Finfish (all species)' criteria
School Prawn samples compared against the 'FSANZ 2017 2-6 years Crustaceans (all species)' criteria

Appendix C

Laboratory Certificates

REPORT OF ANALYSIS

Report No. RN1432806

Client	: AECOM AUSTRALIA PTY LTD	**Job No.**	: AECO03/240515
	LEVEL 21	**Quote No.**	: QT-02018
	420 GEORGE STREET	**Order No.**	: 60612562_2_1
	SYDNEY NSW 2000	**Date Sampled**	: 24-JAN-2024
		Date Received	: 15-MAY-2024
Attention	: [redacted]	**Sampled By**	: CLIENT
Project Name	:		
Your Client Services Manager	: [redacted]	**Phone**	: [redacted]

Lab Reg No.	Sample Ref	Sample Description
N24/010719	0908_BIOAFA064_240124	MUSCLE/VEIN 24/01/2024
N24/010720	0908_BIOAFA065_240124	MUSCLE/VEIN 24/01/2024

Lab Reg No.		N24/010719	N24/010720	
Sample Reference	Units	0908_BIOAFA064_240124	0908_BIOAFA065_240124	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (375-22-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeA (2706-90-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxA (307-24-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpA (375-85-9)	mg/kg	<0.0001	<0.0001	AUTL07
PFOA (335-67-1)	mg/kg	0.00034	0.00031	AUTL07
PFNA (375-95-1)	mg/kg	0.00017	0.00016	AUTL07
PFDA (335-76-2)	mg/kg	0.00012	0.00011	AUTL07
PFUnDA (2058-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFDoDA (307-55-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFTrDA (72629-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFTeDA (376-06-7)	mg/kg	<0.0001	<0.0001	AUTL07
PFBS (375-73-5)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeS (2706-91-4)	mg/kg	0.00024	0.00022	AUTL07
PFHxS (355-46-4)	mg/kg	0.0016	0.0015	AUTL07
PFHpS (375-92-8)	mg/kg	0.00025	0.00056	AUTL07
PFOS (1763-23-1)	mg/kg	0.0048	0.012	AUTL07
PFNS (68259-12-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDS (335-77-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFOSA (754-91-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSA (31506-32-8)	mg/kg	<0.0005	<0.0005	AUTL07
N-EtFOSA (4151-50-2)	mg/kg	<0.0005	<0.0005	AUTL07
N-MeFOSAA (2355-31-9)	mg/kg	0.00026	0.00020	AUTL07
N-EtFOSAA(2991-50-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSE (24448-09-7)	mg/kg	<0.005	<0.005	AUTL07
N-EtFOSE (1691-99-2)	mg/kg	<0.005	<0.005	AUTL07
4:2 FTS (757124-72-4)	mg/kg	<0.0001	<0.0001	AUTL07
6:2 FTS (27619-97-2)	mg/kg	<0.0001	<0.0001	AUTL07
8:2 FTS (39108-34-4)	mg/kg	<0.0001	<0.0001	AUTL07
10:2 FTS (120226-60-0)	mg/kg	<0.0001	<0.0001	AUTL07

REPORT OF ANALYSIS

Lab Reg No.		N24/010719	N24/010720	
Sample Reference	Units	0908_BIOAFA064_240124	0908_BIOAFA065_240124	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (Surrogate Recovery)	%	84	88	AUTL07
PFPeA (Surrogate Recovery)	%	93	91	AUTL07
PFHxA (Surrogate Recovery)	%	81	85	AUTL07
PFHpA (Surrogate Recovery)	%	92	92	AUTL07
PFOA (Surrogate Recovery)	%	78	86	AUTL07
PFNA (Surrogate Recovery)	%	76	77	AUTL07
PFDA (Surrogate Recovery)	%	82	85	AUTL07
PFUnDA (Surrogate Recovery)	%	72	75	AUTL07
PFDoDA (Surrogate Recovery)	%	61	64	AUTL07
PFTeDA (Surrogate Recovery)	%	29	26	AUTL07
PFBS (Surrogate Recovery)	%	99	95	AUTL07
PFHxS (Surrogate Recovery)	%	80	86	AUTL07
PFOS (Surrogate Recovery)	%	71	84	AUTL07
PFOSA (Surrogate Recovery)	%	69	83	AUTL07
N-MeFOSAA (Surrogate Recovery)	%	76	80	AUTL07
N-EtFOSAA (Surrogate Recovery)	%	72	73	AUTL07
N-MeFOSE (Surrogate Recovery)	%	33	43	AUTL07
N-EtFOSE (Surrogate Recovery)	%	26	30	AUTL07
4:2 FTS (Surrogate Recovery)	%	143	179	AUTL07
6:2 FTS (Surrogate Recovery)	%	87	102	AUTL07
8:2 FTS (Surrogate Recovery)	%	84	84	AUTL07
Date Extracted		20-JUN-2024	20-JUN-2024	AUTL07
Date Analysed		24-JUN-2024	24-JUN-2024	AUTL07

N24/010719
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

N24/010720
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE, 4:2 FTS

[redacted], Analyst
Australian Ultra Trace Laboratory

26-JUN-2024

REPORT OF ANALYSIS

Report No. RN1432806

Client	: AECOM AUSTRALIA PTY LTD	**Job No.**	: AECO03/240515
	LEVEL 21	**Quote No.**	: QT-02018
	420 GEORGE STREET	**Order No.**	: 60612562_2_1
	SYDNEY NSW 2000	**Date Sampled**	: 24-JAN-2024
		Date Received	: 15-MAY-2024
Attention	: [redacted]	**Sampled By**	: CLIENT
Project Name	:		
Your Client Services Manager	: [redacted]	**Phone**	: [redacted]

Lab Reg No.	Sample Ref	Sample Description
N24/010721	0908_BIOAFA066_240124	MUSCLE/VEIN 24/01/2024
N24/010722	0908_BIOAFA067_240124	MUSCLE/VEIN 24/01/2024

Lab Reg No.		N24/010721	N24/010722	
Sample Reference	Units	0908_BIOAFA066_240124	0908_BIOAFA067_240124	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (375-22-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeA (2706-90-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxA (307-24-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpA (375-85-9)	mg/kg	<0.0001	<0.0001	AUTL07
PFOA (335-67-1)	mg/kg	0.00033	0.00037	AUTL07
PFNA (375-95-1)	mg/kg	0.00016	0.00016	AUTL07
PFDA (335-76-2)	mg/kg	0.00013	0.00014	AUTL07
PFUnDA (2058-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFDoDA (307-55-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFTrDA (72629-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFTeDA (376-06-7)	mg/kg	<0.0001	<0.0001	AUTL07
PFBS (375-73-5)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeS (2706-91-4)	mg/kg	0.00022	0.00020	AUTL07
PFHxS (355-46-4)	mg/kg	0.0015	0.0017	AUTL07
PFHpS (375-92-8)	mg/kg	0.00023	0.00025	AUTL07
PFOS (1763-23-1)	mg/kg	0.0049	0.0048	AUTL07
PFNS (68259-12-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDS (335-77-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFOSA (754-91-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSA (31506-32-8)	mg/kg	<0.0005	<0.0005	AUTL07
N-EtFOSA (4151-50-2)	mg/kg	<0.0005	<0.0005	AUTL07
N-MeFOSAA (2355-31-9)	mg/kg	0.00024	0.00025	AUTL07
N-EtFOSAA(2991-50-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSE (24448-09-7)	mg/kg	<0.005	<0.005	AUTL07
N-EtFOSE (1691-99-2)	mg/kg	<0.005	<0.005	AUTL07
4:2 FTS (757124-72-4)	mg/kg	<0.0001	<0.0001	AUTL07
6:2 FTS (27619-97-2)	mg/kg	<0.0001	<0.0001	AUTL07
8:2 FTS (39108-34-4)	mg/kg	<0.0001	<0.0001	AUTL07
10:2 FTS (120226-60-0)	mg/kg	<0.0001	<0.0001	AUTL07

REPORT OF ANALYSIS

Lab Reg No.		N24/010721	N24/010722	
Sample Reference	Units	0908_BIOAFA066_240124	0908_BIOAFA067_240124	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (Surrogate Recovery)	%	86	79	AUTL07
PFPeA (Surrogate Recovery)	%	102	100	AUTL07
PFHxA (Surrogate Recovery)	%	82	80	AUTL07
PFHpA (Surrogate Recovery)	%	97	99	AUTL07
PFOA (Surrogate Recovery)	%	77	73	AUTL07
PFNA (Surrogate Recovery)	%	86	80	AUTL07
PFDA (Surrogate Recovery)	%	85	81	AUTL07
PFUnDA (Surrogate Recovery)	%	77	70	AUTL07
PFDoDA (Surrogate Recovery)	%	66	64	AUTL07
PFTeDA (Surrogate Recovery)	%	32	30	AUTL07
PFBS (Surrogate Recovery)	%	87	102	AUTL07
PFHxS (Surrogate Recovery)	%	80	87	AUTL07
PFOS (Surrogate Recovery)	%	79	78	AUTL07
PFOSA (Surrogate Recovery)	%	80	73	AUTL07
N-MeFOSAA (Surrogate Recovery)	%	72	73	AUTL07
N-EtFOSAA (Surrogate Recovery)	%	73	67	AUTL07
N-MeFOSE (Surrogate Recovery)	%	44	22	AUTL07
N-EtFOSE (Surrogate Recovery)	%	39	15	AUTL07
4:2 FTS (Surrogate Recovery)	%	154	133	AUTL07
6:2 FTS (Surrogate Recovery)	%	95	78	AUTL07
8:2 FTS (Surrogate Recovery)	%	98	86	AUTL07
Date Extracted		20-JUN-2024	20-JUN-2024	AUTL07
Date Analysed		24-JUN-2024	24-JUN-2024	AUTL07

N24/010721
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE, 4:2 FTS

N24/010722
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

[redacted], Analyst
Australian Ultra Trace Laboratory

26-JUN-2024

REPORT OF ANALYSIS

Report No. RN1432806

Client	: AECOM AUSTRALIA PTY LTD	**Job No.**	: AECO03/240515
	LEVEL 21	**Quote No.**	: QT-02018
	420 GEORGE STREET	**Order No.**	: 60612562_2_1
	SYDNEY NSW 2000	**Date Sampled**	: 28-MAR-2024
		Date Received	: 15-MAY-2024
Attention	: [redacted]	**Sampled By**	: CLIENT
Project Name	:		
Your Client Services Manager	: [redacted]	**Phone**	: [redacted]

Lab Reg No.	Sample Ref	Sample Description
N24/010723	0908_BIOAFA068_240328	MUSCLE/SKIN 28/03/2024
N24/010724	0908_BIOAFA069_240328	MUSCLE/SKIN 28/03/2024

Lab Reg No.		N24/010723	N24/010724	
Sample Reference	Units	0908_BIOAFA068_240328	0908_BIOAFA069_240328	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (375-22-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeA (2706-90-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxA (307-24-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpA (375-85-9)	mg/kg	<0.0001	<0.0001	AUTL07
PFOA (335-67-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFNA (375-95-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDA (335-76-2)	mg/kg	<0.0001	<0.0001	AUTL07
PFUnDA (2058-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFDoDA (307-55-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFTrDA (72629-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFTeDA (376-06-7)	mg/kg	<0.0001	<0.0001	AUTL07
PFBS (375-73-5)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeS (2706-91-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxS (355-46-4)	mg/kg	0.00017	<0.0001	AUTL07
PFHpS (375-92-8)	mg/kg	0.00016	0.00012	AUTL07
PFOS (1763-23-1)	mg/kg	0.010	0.0079	AUTL07
PFNS (68259-12-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDS (335-77-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFOSA (754-91-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSA (31506-32-8)	mg/kg	<0.0005	<0.0005	AUTL07
N-EtFOSA (4151-50-2)	mg/kg	<0.0005	<0.0005	AUTL07
N-MeFOSAA (2355-31-9)	mg/kg	<0.0001	<0.0001	AUTL07
N-EtFOSAA(2991-50-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSE (24448-09-7)	mg/kg	<0.005	<0.005	AUTL07
N-EtFOSE (1691-99-2)	mg/kg	<0.005	<0.005	AUTL07
4:2 FTS (757124-72-4)	mg/kg	<0.0001	<0.0001	AUTL07
6:2 FTS (27619-97-2)	mg/kg	<0.0001	<0.0001	AUTL07
8:2 FTS (39108-34-4)	mg/kg	<0.0001	<0.0001	AUTL07
10:2 FTS (120226-60-0)	mg/kg	<0.0001	<0.0001	AUTL07

REPORT OF ANALYSIS

Lab Reg No.		N24/010723	N24/010724	
Sample Reference	Units	0908_BIOAFA068_240328	0908_BIOAFA069_240328	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (Surrogate Recovery)	%	80	79	AUTL07
PFPeA (Surrogate Recovery)	%	90	97	AUTL07
PFHxA (Surrogate Recovery)	%	73	85	AUTL07
PFHpA (Surrogate Recovery)	%	84	89	AUTL07
PFOA (Surrogate Recovery)	%	75	77	AUTL07
PFNA (Surrogate Recovery)	%	80	84	AUTL07
PFDA (Surrogate Recovery)	%	80	78	AUTL07
PFUnDA (Surrogate Recovery)	%	74	74	AUTL07
PFDoDA (Surrogate Recovery)	%	67	62	AUTL07
PFTeDA (Surrogate Recovery)	%	35	34	AUTL07
PFBS (Surrogate Recovery)	%	93	97	AUTL07
PFHxS (Surrogate Recovery)	%	86	85	AUTL07
PFOS (Surrogate Recovery)	%	73	78	AUTL07
PFOSA (Surrogate Recovery)	%	66	65	AUTL07
N-MeFOSAA (Surrogate Recovery)	%	72	72	AUTL07
N-EtFOSAA (Surrogate Recovery)	%	64	76	AUTL07
N-MeFOSE (Surrogate Recovery)	%	27	35	AUTL07
N-EtFOSE (Surrogate Recovery)	%	15	25	AUTL07
4:2 FTS (Surrogate Recovery)	%	86	106	AUTL07
6:2 FTS (Surrogate Recovery)	%	84	75	AUTL07
8:2 FTS (Surrogate Recovery)	%	77	75	AUTL07
Date Extracted		20-JUN-2024	20-JUN-2024	AUTL07
Date Analysed		24-JUN-2024	24-JUN-2024	AUTL07

N24/010723
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

N24/010724
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

[redacted], Analyst
Australian Ultra Trace Laboratory

26-JUN-2024

REPORT OF ANALYSIS

Report No. RN1432806

Client	: AECOM AUSTRALIA PTY LTD	**Job No.**	: AECO03/240515
	LEVEL 21	**Quote No.**	: QT-02018
	420 GEORGE STREET	**Order No.**	: 60612562_2_1
	SYDNEY NSW 2000	**Date Sampled**	: 28-MAR-2024
		Date Received	: 15-MAY-2024
Attention	: [redacted]	**Sampled By**	: CLIENT
Project Name	:		
Your Client Services Manager	: [redacted]	**Phone**	: [redacted]

Lab Reg No.	Sample Ref	Sample Description
N24/010725	0908_BIOAFA070_240328	MUSCLE/SKIN 28/03/2024
N24/010726	0908_BIOAFA071_240422	MUSCLE/SKIN 22/04/2024

Lab Reg No. / Sample Reference	Units	N24/010725 0908_BIOAFA070_240328	N24/010726 0908_BIOAFA071_240422	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (375-22-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeA (2706-90-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxA (307-24-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpA (375-85-9)	mg/kg	<0.0001	<0.0001	AUTL07
PFOA (335-67-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFNA (375-95-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDA (335-76-2)	mg/kg	<0.0001	<0.0001	AUTL07
PFUnDA (2058-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFDoDA (307-55-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFTrDA (72629-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFTeDA (376-06-7)	mg/kg	<0.0001	<0.0001	AUTL07
PFBS (375-73-5)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeS (2706-91-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxS (355-46-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpS (375-92-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFOS (1763-23-1)	mg/kg	0.0064	0.0054	AUTL07
PFNS (68259-12-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDS (335-77-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFOSA (754-91-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSA (31506-32-8)	mg/kg	<0.0005	<0.0005	AUTL07
N-EtFOSA (4151-50-2)	mg/kg	<0.0005	<0.0005	AUTL07
N-MeFOSAA (2355-31-9)	mg/kg	<0.0001	<0.0001	AUTL07
N-EtFOSAA(2991-50-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSE (24448-09-7)	mg/kg	<0.005	<0.005	AUTL07
N-EtFOSE (1691-99-2)	mg/kg	<0.005	<0.005	AUTL07
4:2 FTS (757124-72-4)	mg/kg	<0.0001	<0.0001	AUTL07
6:2 FTS (27619-97-2)	mg/kg	<0.0001	<0.0001	AUTL07
8:2 FTS (39108-34-4)	mg/kg	<0.0001	<0.0001	AUTL07
10:2 FTS (120226-60-0)	mg/kg	<0.0001	<0.0001	AUTL07

REPORT OF ANALYSIS

Lab Reg No.		N24/010725	N24/010726	
Sample Reference	Units	0908_BIOAFA070_240422	0908_BIOAFA071_240422	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (Surrogate Recovery)	%	78	73	AUTL07
PFPeA (Surrogate Recovery)	%	92	83	AUTL07
PFHxA (Surrogate Recovery)	%	79	71	AUTL07
PFHpA (Surrogate Recovery)	%	84	80	AUTL07
PFOA (Surrogate Recovery)	%	76	74	AUTL07
PFNA (Surrogate Recovery)	%	83	72	AUTL07
PFDA (Surrogate Recovery)	%	79	80	AUTL07
PFUnDA (Surrogate Recovery)	%	69	67	AUTL07
PFDoDA (Surrogate Recovery)	%	59	64	AUTL07
PFTeDA (Surrogate Recovery)	%	36	30	AUTL07
PFBS (Surrogate Recovery)	%	92	89	AUTL07
PFHxS (Surrogate Recovery)	%	90	89	AUTL07
PFOS (Surrogate Recovery)	%	77	74	AUTL07
PFOSA (Surrogate Recovery)	%	72	72	AUTL07
N-MeFOSAA (Surrogate Recovery)	%	64	65	AUTL07
N-EtFOSAA (Surrogate Recovery)	%	65	70	AUTL07
N-MeFOSE (Surrogate Recovery)	%	36	40	AUTL07
N-EtFOSE (Surrogate Recovery)	%	26	21	AUTL07
4:2 FTS (Surrogate Recovery)	%	88	101	AUTL07
6:2 FTS (Surrogate Recovery)	%	91	79	AUTL07
8:2 FTS (Surrogate Recovery)	%	68	84	AUTL07
Date Extracted		20-JUN-2024	20-JUN-2024	AUTL07
Date Analysed		24-JUN-2024	24-JUN-2024	AUTL07

N24/010725
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

N24/010726
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

[redacted], Analyst
Australian Ultra Trace Laboratory

26-JUN-2024

REPORT OF ANALYSIS

Report No. RN1432806

Client	: AECOM AUSTRALIA PTY LTD	**Job No.**	: AECO03/240515
	LEVEL 21	**Quote No.**	: QT-02018
	420 GEORGE STREET	**Order No.**	: 60612562_2_1
	SYDNEY NSW 2000	**Date Sampled**	: 28-MAR-2024
		Date Received	: 15-MAY-2024
Attention	: [redacted]	**Sampled By**	: CLIENT
Project Name	:		
Your Client Services Manager	: [redacted]	**Phone**	: [redacted]

Lab Reg No.	Sample Ref	Sample Description
N24/010727	0908_BIOAFA072_240328	MUSCLE/SKIN 28/03/2024
N24/010728	0908_BIOAFA073_240328	MUSCLE/SKIN 28/03/2024

Lab Reg No.		N24/010727	N24/010728	
Sample Reference	Units	0908_BIOAFA072_240328	0908_BIOAFA073_240328	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (375-22-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeA (2706-90-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxA (307-24-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpA (375-85-9)	mg/kg	<0.0001	<0.0001	AUTL07
PFOA (335-67-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFNA (375-95-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDA (335-76-2)	mg/kg	<0.0001	<0.0001	AUTL07
PFUnDA (2058-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFDoDA (307-55-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFTrDA (72629-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFTeDA (376-06-7)	mg/kg	<0.0001	<0.0001	AUTL07
PFBS (375-73-5)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeS (2706-91-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxS (355-46-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpS (375-92-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFOS (1763-23-1)	mg/kg	0.0036	0.0036	AUTL07
PFNS (68259-12-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDS (335-77-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFOSA (754-91-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSA (31506-32-8)	mg/kg	<0.0005	<0.0005	AUTL07
N-EtFOSA (4151-50-2)	mg/kg	<0.0005	<0.0005	AUTL07
N-MeFOSAA (2355-31-9)	mg/kg	<0.0001	<0.0001	AUTL07
N-EtFOSAA(2991-50-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSE (24448-09-7)	mg/kg	<0.005	<0.005	AUTL07
N-EtFOSE (1691-99-2)	mg/kg	<0.005	<0.005	AUTL07
4:2 FTS (757124-72-4)	mg/kg	<0.0001	<0.0001	AUTL07
6:2 FTS (27619-97-2)	mg/kg	<0.0001	<0.0001	AUTL07
8:2 FTS (39108-34-4)	mg/kg	<0.0001	<0.0001	AUTL07
10:2 FTS (120226-60-0)	mg/kg	<0.0001	<0.0001	AUTL07

REPORT OF ANALYSIS

Lab Reg No.		N24/010727	N24/010728	
Sample Reference	Units	0908_BIOAFA072_240328	0908_BIOAFA073_240328	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (Surrogate Recovery)	%	78	78	AUTL07
PFPeA (Surrogate Recovery)	%	87	85	AUTL07
PFHxA (Surrogate Recovery)	%	77	70	AUTL07
PFHpA (Surrogate Recovery)	%	87	77	AUTL07
PFOA (Surrogate Recovery)	%	83	80	AUTL07
PFNA (Surrogate Recovery)	%	81	79	AUTL07
PFDA (Surrogate Recovery)	%	78	76	AUTL07
PFUnDA (Surrogate Recovery)	%	80	70	AUTL07
PFDoDA (Surrogate Recovery)	%	66	67	AUTL07
PFTeDA (Surrogate Recovery)	%	43	37	AUTL07
PFBS (Surrogate Recovery)	%	93	83	AUTL07
PFHxS (Surrogate Recovery)	%	90	78	AUTL07
PFOS (Surrogate Recovery)	%	79	79	AUTL07
PFOSA (Surrogate Recovery)	%	70	70	AUTL07
N-MeFOSAA (Surrogate Recovery)	%	73	70	AUTL07
N-EtFOSAA (Surrogate Recovery)	%	75	61	AUTL07
N-MeFOSE (Surrogate Recovery)	%	35	31	AUTL07
N-EtFOSE (Surrogate Recovery)	%	27	18	AUTL07
4:2 FTS (Surrogate Recovery)	%	93	94	AUTL07
6:2 FTS (Surrogate Recovery)	%	75	81	AUTL07
8:2 FTS (Surrogate Recovery)	%	81	80	AUTL07
Date Extracted		20-JUN-2024	20-JUN-2024	AUTL07
Date Analysed		24-JUN-2024	24-JUN-2024	AUTL07

N24/010727
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

N24/010728
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

[redacted], Analyst
Australian Ultra Trace Laboratory

26-JUN-2024

REPORT OF ANALYSIS

Client	: AECOM AUSTRALIA PTY LTD	**Job No.**	: AECO03/240515
	LEVEL 21	**Quote No.**	: QT-02018
	420 GEORGE STREET	**Order No.**	: 60612562_2_1
	SYDNEY NSW 2000	**Date Sampled**	: 22-APR-2024
		Date Received	: 15-MAY-2024
Attention	: [redacted]	**Sampled By**	: CLIENT
Project Name	:		
Your Client Services Manager	: [redacted]	**Phone**	: [redacted]

Lab Reg No.	Sample Ref	Sample Description
N24/010729	0908_BIOAFA074_240422	MUSCLE/SKIN 22/04/2024
N24/010730	0908_BIOAFA075_240422	MUSCLE/SKIN 22/04/2024

Lab Reg No.		N24/010729	N24/010730	
Sample Reference	Units	0908_BIOAFA074_240422	0908_BIOAFA075_240422	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (375-22-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeA (2706-90-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxA (307-24-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpA (375-85-9)	mg/kg	<0.0001	<0.0001	AUTL07
PFOA (335-67-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFNA (375-95-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDA (335-76-2)	mg/kg	<0.0001	<0.0001	AUTL07
PFUnDA (2058-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFDoDA (307-55-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFTrDA (72629-94-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFTeDA (376-06-7)	mg/kg	<0.0001	<0.0001	AUTL07
PFBS (375-73-5)	mg/kg	<0.0001	<0.0001	AUTL07
PFPeS (2706-91-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHxS (355-46-4)	mg/kg	<0.0001	<0.0001	AUTL07
PFHpS (375-92-8)	mg/kg	<0.0001	<0.0001	AUTL07
PFOS (1763-23-1)	mg/kg	0.0042	0.0036	AUTL07
PFNS (68259-12-1)	mg/kg	<0.0001	<0.0001	AUTL07
PFDS (335-77-3)	mg/kg	<0.0001	<0.0001	AUTL07
PFOSA (754-91-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSA (31506-32-8)	mg/kg	<0.0005	<0.0005	AUTL07
N-EtFOSA (4151-50-2)	mg/kg	<0.0005	<0.0005	AUTL07
N-MeFOSAA (2355-31-9)	mg/kg	<0.0001	<0.0001	AUTL07
N-EtFOSAA(2991-50-6)	mg/kg	<0.0001	<0.0001	AUTL07
N-MeFOSE (24448-09-7)	mg/kg	<0.005	<0.005	AUTL07
N-EtFOSE (1691-99-2)	mg/kg	<0.005	<0.005	AUTL07
4:2 FTS (757124-72-4)	mg/kg	<0.0001	<0.0001	AUTL07
6:2 FTS (27619-97-2)	mg/kg	<0.0001	<0.0001	AUTL07
8:2 FTS (39108-34-4)	mg/kg	<0.0001	<0.0001	AUTL07
10:2 FTS (120226-60-0)	mg/kg	<0.0001	<0.0001	AUTL07

REPORT OF ANALYSIS

Lab Reg No.		N24/010729	N24/010730	
Sample Reference	Units	0908_BIOAFA074_240422	0908_BIOAFA075_240422	Method
PFAS (per-and poly-fluoroalkyl substances)				
PFBA (Surrogate Recovery)	%	74	75	AUTL07
PFPeA (Surrogate Recovery)	%	86	87	AUTL07
PFHxA (Surrogate Recovery)	%	74	78	AUTL07
PFHpA (Surrogate Recovery)	%	76	78	AUTL07
PFOA (Surrogate Recovery)	%	77	73	AUTL07
PFNA (Surrogate Recovery)	%	78	74	AUTL07
PFDA (Surrogate Recovery)	%	76	79	AUTL07
PFUnDA (Surrogate Recovery)	%	71	79	AUTL07
PFDoDA (Surrogate Recovery)	%	57	71	AUTL07
PFTeDA (Surrogate Recovery)	%	17	39	AUTL07
PFBS (Surrogate Recovery)	%	97	83	AUTL07
PFHxS (Surrogate Recovery)	%	92	84	AUTL07
PFOS (Surrogate Recovery)	%	74	71	AUTL07
PFOSA (Surrogate Recovery)	%	65	63	AUTL07
N-MeFOSAA (Surrogate Recovery)	%	66	65	AUTL07
N-EtFOSAA (Surrogate Recovery)	%	59	60	AUTL07
N-MeFOSE (Surrogate Recovery)	%	34	22	AUTL07
N-EtFOSE (Surrogate Recovery)	%	20	13	AUTL07
4:2 FTS (Surrogate Recovery)	%	87	86	AUTL07
6:2 FTS (Surrogate Recovery)	%	73	84	AUTL07
8:2 FTS (Surrogate Recovery)	%	75	67	AUTL07
Date Extracted		20-JUN-2024	20-JUN-2024	AUTL07
Date Analysed		24-JUN-2024	24-JUN-2024	AUTL07

N24/010729
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

N24/010730
Internal standard recoveries are outside the acceptable range of 50-150%
due to matrix intereference for: PFTeDA, MeFOSE, EtFOSE

[redacted], Analyst
Australian Ultra Trace Laboratory

26-JUN-2024

REPORT OF ANALYSIS

All results are reported on a wet weight basis as received, and are corrected for labelled internal standard recoveries.

PFHxS and PFOS were quantified using combined branched and linear standards, for all PFAS linear and branched isomers in samples are totalled for reporting.

Results relate only to the sample(s) as received and tested.

* Denotes the analyte or test method is not within our ISO/IEC 17025 scope of accreditation.

Measurement Uncertainty is available upon request.
This Report shall not be reproduced except in full.

Australian Government

National Measurement Institute

Lab Blank	11478
Blank concentration	mg/kg
PFBA (375-22-4)	<0.0001
PFPeA (2706-90-3)	<0.0001
PFHxA (307-24-4)	<0.0001
PFHpA (375-85-9)	<0.0001
PFOA (335-67-1)	<0.0001
PFNA (375-95-1)	<0.0001
PFDA (335-76-2)	<0.0001
PFUnDA (2058-94-8)	<0.0001
PFDoDA (307-55-1)	<0.0001
PFTrDA (72629-94-8)	<0.0001
PFTeDA (376-06-7)	<0.0001
PFBS (375-73-5)	<0.0001
PFPeS (2706-91-4)	<0.0001
PFHxS (355-46-4)	<0.0001
PFHpS (375-92-8)	<0.0001
PFOS (1763-23-1)	<0.0002
PFNS (68259-12-1)	<0.0001
PFDS (335-77-3)	<0.0001
PFDoS (79780-39-5)	<0.0001
PFOSA (754-91-6)	<0.0001
N-MeFOSAA (2355-31-9)	<0.0001
N-EtFOSAA(2991-50-6)	<0.0001
4:2 FTS (757124-72-4)	<0.0001
6:2 FTS (27619-97-2)	<0.0001
8:2 FTS (39108-34-4)	<0.0001
10:2 FTS (120226-60-0)	<0.0001
HFPO-DA (13252-13-6)	<0.0001
9Cl-PF3ONS (756426-58-1)	<0.0001
11Cl-PF3OUdS (83329-89-9)	<0.0001
ADONA (919005-14-4)	<0.005
Extracted Date	20/06/2024
LCMSMS Analysis Date	24/06/2024

Lab Control Spike	11478
Native Spike recovery	%
PFBA (375-22-4)	121%
PFPeA (2706-90-3)	110%
PFHxA (307-24-4)	121%
PFHpA (375-85-9)	114%
PFOA (335-67-1)	108%
PFNA (375-95-1)	119%
PFDA (335-76-2)	113%
PFUnDA (2058-94-8)	106%
PFDoDA (307-55-1)	127%
PFTrDA (72629-94-8)	110%
PFTeDA (376-06-7)	118%
PFBS (375-73-5)	101%
PFPeS (2706-91-4)	110%
PFHxS (355-46-4)	106%
PFHpS (375-92-8)	110%
PFOS (1763-23-1)	102%
PFNS (68259-12-1)	120%
PFDS (335-77-3)	113%
PFDoS (79780-39-5)	106%
PFOSA (754-91-6)	109%
N-MeFOSAA (2355-31-9)	113%
N-EtFOSAA(2991-50-6)	107%
4:2 FTS (757124-72-4)	113%
6:2 FTS (27619-97-2)	113%
8:2 FTS (39108-34-4)	89%
10:2 FTS (120226-60-0)	117%
HFPO-DA (13252-13-6)	125%
9Cl-PF3ONS (756426-58-1)	154%
11Cl-PF3OUdS (83329-89-9)	158%
ADONA (919005-14-4)	139%
Extracted Date	20/06/2024
LCMSMS Analysis Date	24/06/2024

Duplicate sample A	11478
N24/010719D	
Relative Percentage Deviation %	
PFBA (375-22-4)	<LOR
PFPeA (2706-90-3)	<LOR
PFHxA (307-24-4)	<LOR
PFHpA (375-85-9)	<LOR
PFOA (335-67-1)	0.3%
PFNA (375-95-1)	1%
PFDA (335-76-2)	2%
PFUnDA (2058-94-8)	<LOR
PFDoDA (307-55-1)	<LOR
PFTrDA (72629-94-8)	<LOR
PFTeDA (376-06-7)	<LOR
PFBS (375-73-5)	<LOR
PFPeS (2706-91-4)	1%
PFHxS (355-46-4)	7%
PFHpS (375-92-8)	3%
PFOS (1763-23-1)	0.2%
PFNS (68259-12-1)	<LOR
PFDS (335-77-3)	<LOR
PFDoS (79780-39-5)	<LOR
PFOSA (754-91-6)	<LOR
N-MeFOSAA (2355-31-9)	2%
N-EtFOSAA(2991-50-6)	<LOR
4:2 FTS (757124-72-4)	<LOR
6:2 FTS (27619-97-2)	<LOR
8:2 FTS (39108-34-4)	<LOR
10:2 FTS (120226-60-0)	<LOR
HFPO-DA (13252-13-6)	<LOR
9Cl-PF3ONS (756426-58-1)	<LOR
11Cl-PF3OUdS (83329-89-9)	<LOR
ADONA (919005-14-4)	<LOR
Extracted Date	20/06/2024
LCMSMS Analysis Date	24/06/2024

Duplicate sample B	11478
N24/010730D	
Relative Percentage Deviation %	
PFBA (375-22-4)	<LOR
PFPeA (2706-90-3)	<LOR
PFHxA (307-24-4)	<LOR
PFHpA (375-85-9)	<LOR
PFOA (335-67-1)	<LOR
PFNA (375-95-1)	<LOR
PFDA (335-76-2)	<LOR
PFUnDA (2058-94-8)	<LOR
PFDoDA (307-55-1)	<LOR
PFTrDA (72629-94-8)	<LOR
PFTeDA (376-06-7)	<LOR
PFBS (375-73-5)	<LOR
PFPeS (2706-91-4)	<LOR
PFHxS (355-46-4)	<LOR
PFHpS (375-92-8)	<LOR
PFOS (1763-23-1)	2%
PFNS (68259-12-1)	<LOR
PFDS (335-77-3)	<LOR
PFDoS (79780-39-5)	<LOR
PFOSA (754-91-6)	<LOR
N-MeFOSAA (2355-31-9)	<LOR
N-EtFOSAA(2991-50-6)	<LOR
4:2 FTS (757124-72-4)	<LOR
6:2 FTS (27619-97-2)	<LOR
8:2 FTS (39108-34-4)	<LOR
10:2 FTS (120226-60-0)	<LOR
HFPO-DA (13252-13-6)	<LOR
9Cl-PF3ONS (756426-58-1)	<LOR
11Cl-PF3OUdS (83329-89-9)	<LOR
ADONA (919005-14-4)	<LOR
Extracted Date	20/06/2024
LCMSMS Analysis Date	24/06/2024

Spiked sample A	11478
N24/010719S	
Native Spike recovery	%
PFBA (375-22-4)	117%
PFPeA (2706-90-3)	112%
PFHxA (307-24-4)	114%
PFHpA (375-85-9)	120%
PFOA (335-67-1)	100%
PFNA (375-95-1)	124%
PFDA (335-76-2)	111%
PFUnDA (2058-94-8)	110%
PFDoDA (307-55-1)	137%
PFTrDA (72629-94-8)	97%
PFTeDA (376-06-7)	118%
PFBS (375-73-5)	112%
PFPeS (2706-91-4)	104%
PFHxS (355-46-4)	90%
PFHpS (375-92-8)	111%
PFOS (1763-23-1)	107%
PFNS (68259-12-1)	115%
PFDS (335-77-3)	110%
PFDoS (79780-39-5)	78%
PFOSA (754-91-6)	108%
N-MeFOSAA (2355-31-9)	121%
N-EtFOSAA(2991-50-6)	102%
4:2 FTS (757124-72-4)	112%
6:2 FTS (27619-97-2)	138%
8:2 FTS (39108-34-4)	102%
10:2 FTS (120226-60-0)	93%
HFPO-DA (13252-13-6)	114%
9Cl-PF3ONS (756426-58-1)	121%
11Cl-PF3OUdS (83329-89-9)	124%
ADONA (919005-14-4)	121%
Extracted Date	20/06/2024
LCMSMS Analysis Date	24/06/2024

Spiked sample B	11478
N24/010730S	
Native Spike recovery	%
PFBA (375-22-4)	124%
PFPeA (2706-90-3)	110%
PFHxA (307-24-4)	119%
PFHpA (375-85-9)	111%
PFOA (335-67-1)	116%
PFNA (375-95-1)	120%
PFDA (335-76-2)	112%
PFUnDA (2058-94-8)	113%
PFDoDA (307-55-1)	125%
PFTrDA (72629-94-8)	96%
PFTeDA (376-06-7)	121%
PFBS (375-73-5)	103%
PFPeS (2706-91-4)	99%
PFHxS (355-46-4)	108%
PFHpS (375-92-8)	112%
PFOS (1763-23-1)	114%
PFNS (68259-12-1)	137%
PFDS (335-77-3)	115%
PFDoS (79780-39-5)	89%
PFOSA (754-91-6)	104%
N-MeFOSAA (2355-31-9)	86%
N-EtFOSAA(2991-50-6)	102%
4:2 FTS (757124-72-4)	102%
6:2 FTS (27619-97-2)	117%
8:2 FTS (39108-34-4)	115%
10:2 FTS (120226-60-0)	92%
HFPO-DA (13252-13-6)	112%
9Cl-PF3ONS (756426-58-1)	117%
11Cl-PF3OUdS (83329-89-9)	134%
ADONA (919005-14-4)	125%
Extracted Date	20/06/2024
LCMSMS Analysis Date	24/06/2024

Prawn Control Sample	11478
AQA 22-14 S1	
Comparison to Control	%
PFBA (375-22-4)	91%
PFPeA (2706-90-3)	105%
PFHxA (307-24-4)	91%
PFHpA (375-85-9)	90%
PFOA (335-67-1)	91%
PFNA (375-95-1)	88%
PFDA (335-76-2)	94%
PFUnDA (2058-94-8)	99%
PFDoDA (307-55-1)	
PFTrDA (72629-94-8)	
PFTeDA (376-06-7)	
PFBS (375-73-5)	112%
PFPeS (2706-91-4)	89%
PFHxS (355-46-4)	99%
PFHpS (375-92-8)	111%
PFOS (1763-23-1)	96%
PFNS (68259-12-1)	93%
PFDS (335-77-3)	
PFDoS (79780-39-5)	
PFOSA (754-91-6)	
N-MeFOSAA (2355-31-9)	
N-EtFOSAA(2991-50-6)	
4:2 FTS (757124-72-4)	
6:2 FTS (27619-97-2)	
8:2 FTS (39108-34-4)	
10:2 FTS (120226-60-0)	
HFPO-DA (13252-13-6)	
9Cl-PF3ONS (756426-58-1	69%
11Cl-PF3OUdS (83329-89-9)	
ADONA (919005-14-4)	78%
Extracted Date	20/06/2024
LCMSMS Analysis Date	24/06/2024

NMI CHAIN OF CUSTODY (SAMPLE SUBMISSION) FORM

ENVIRONMENTAL SAMPLES to be submitted to:

NMI: 105 Delhi Rd, North Ryde NSW 2113 Ph: 1300 722 845 email: customerservice@measurement.gov.au

SENT FROM:	Jessica Roy - AECOM
Company Name:	AECOM Australia Pty Ltd
Address:	Level 6, 420 George St, Sydney, NSW, 2000
Contact:	[redacted]
Phone:	
ABN:	
Contact email:	[redacted]

Additional email(s) for report / invoice (if required): [redacted]

INVOICE TO [redacted]

Internal use only

NMI Quote Number: AECO01_03_04_05_06_08_09A-TL1807N AECOM (PFAS in Biota_Water_Sediment)

LIMS Reference: Valid until:

TURN AROUND TIME REQUESTED (Working days): 12/6

24 hrs	48 hrs	3-4	5-7	10	20	other (please specify)
100%	50%	25%	Standard		dioxins	
				x		

*Fast TATs are not available for all tests and MUST be agreed to prior to sample submission

If a PO number is required on your invoice, it must be provided at sample submission. PO's received after sample submisison will not appear on final invoice

Purchase order required: N PO Number:_60612562_2.1

AECOM NOTE: Project ID to be used for Esdat EDDs is: NSW_0908_PFASOMP_24

AECO03/04 05 IN Am

NMI LRN (NMI USE ONLY - please do not write in this column)	SAMPLE REFERENCE (Sample ID / Description / Number)	DATE & TIME SAMPLED	Matrix	TESTS REQUIRED (Please list all tests required here and tick required tests against samples) PFAS Extended Suite Standard LOR	COMMENTS
N24/010719	0908_BIOAFA064_240124	24/01/2024	Muscle/vein	x	Eastern School Prawn
N24/010720	0908_BIOAFA065_240124	24/01/2024	Muscle/vein	x	Eastern School Prawn
N24/010721	0908_BIOAFA066_240124	24/01/2024	Muscle/vein	x	Eastern School Prawn
N24/010722	0908_BIOAFA067_240124	24/01/2024	Muscle/vein	x	Eastern School Prawn
N24/010723	0908_BIOAFA068_240328	28/03/2024	Muscle/skin	x	Dusky Flathead
N24/010724	0908_BIOAFA069_240328	28/03/2024	Muscle/skin	x	Dusky Flathead
N24/010725	0908_BIOAFA070_240328	28/03/2024	Muscle/skin	x	Dusky Flathead
N24/010726	0908_BIOAFA071_240422	22/04/2024	Muscle/skin	x	Dusky Flathead
N24/010727	0908_BIOAFA072_240328	28/03/2024	Muscle/skin	x	Luderick
N24/010728	0908_BIOAFA073_240328	28/03/2024	Muscle/skin	x	Luderick
N24/010729	0908_BIOAFA074_240422	22/04/2024	Muscle/skin	x	Luderick
N24/010730	0908_BIOAFA075_240422	22/04/2024	Muscle/skin	x	Luderick

Samples in the freezer RW

15 MAY 2024 14:26

RW (F)

15 MAY 2024 14:26

When providing samples to NMI, you must give written notice of all known safety or health hazards and special procedures relevant to the handling, testing, storage, transport and disposal of samples. NMI reserves the right to refuse to conduct any test where NMI in its absolute discretion determines such testing may pose a safety or health hazard.

Relinquished by: [redacted]	Received at NMI laboratory by:	PAGE No: 1 of 1 PAGES
Print Name:	Print Name:	
Date & Time: : hrs	Date & Time: hrs	
Signature:	Signature:	If multiple pages, ensure ALL pages are stapled together

Appendix D

Data Validation

DATA VALIDATION APPENDIX D REPORT

Project number:	60612562	**Validation by:**	[redacted]	**Date:**	27/06/2024
Client:	Defence	**Data verified by:**		**Date:**	3/07/2024
Site:	Fullerton Cove	**Project Manager:**			
Matrix type:	Biota				
Primary Samples:	12 Composite Biota Samples				
Laboratory:	National Measurement Institute (NMI)				
Lab reference:	AECO03-240515 / RN1432806				

Key Issues:	No issues were identified that have the potential to impact upon the reliability of the Data. AECOM considers that the field procedures and laboratory QA/QC processes employed were appropriate for the purposes of the investigation.
Field Quality Assurance and Quality Controls	
Sample Collection	Samples were collected by an AECOM subcontractor (NSW Department of Primary Industries (DPI), Port Stephens Fisheries Institute (Fisheries).
Sampling Methodology	Aquatic biota samples were captured utilising the following process: • Boats were used to deploy mesh netting. Nets were placed in the target locations and collected within 3 hours for Luderick and Ducky Flathead. School prawns were captured using an otter trawl net. • Target specimens were retrieved from the nets and euthanised by ice and water. • Target specimens were placed in labelled plastic bags and transported to the Port Stephens Fisheries Institute on ice in an esky. • Target specimen metrics (length, weight, bag number) were recorded at the Fisheries Institute by DPI.
Chain of Custody	All samples taken were reported on the Chain of Custody documents (COC) and analysed for requested analytes.
Field QC Samples	As per the SAQP, no duplicate samples were collected as the samples were being composited. Individual specimens of the composite samples were retained to validate composite results as required. No Rinsate Blanks were included with this batch given nets were used to catch samples.
Handling and preservation	All biota samples were stored frozen before being submitted and shipped to the laboratory frozen, and in suitable conditions. All biota samples were received by NMI laboratories in appropriate containers. Sample homogenisation and preparation for analysis were undertaken in the laboratory.
Calibration of equipment	Measurement of surface water geochemical parameters was undertaken by NSW DPI. Calibration details have not been provided by NSW DPI.
Laboratory Quality Assurance and Quality Controls	
Tests requested/reported	All biota samples were analysed for PFAS (extended suite).

Holding time compliance	Samples were extracted and analysed within recommended holding times.
Laboratory	Aquatic Biota samples were analysed at the National Measurement Institute (NMI, Sydney), a NATA accredited laboratory (accreditation number 198).
Frequency of laboratory QC	The laboratory reported a sufficient frequency of quality control samples to assess whether the results have been reported to an acceptable accuracy and precision.
Method Blank (MB)	Method Blank concentrations were reported <LOR for all analytes tested. MB concentrations are presented in the laboratory Quality Assurance Report.
Laboratory Duplicate (LD) Relative Percent Difference (RPD)	Laboratory Duplicate Relative Percentage Differences were within the laboratory control limits. The LD RPDs are presented in the laboratory Quality Assurance Report.
Laboratory Control Spike (LCS) recovery	Laboratory Control Spikes recoveries were within the laboratory control limits. LCS recoveries are presented in the laboratory Quality Assurance Report.
Matrix Spike (MS) recovery	Matrix Spikes recoveries were within the laboratory control limits. MS recoveries are presented in the laboratory Quality Assurance Report.
Surrogate spike (SS) recovery	Surrogate Spike recoveries were within the laboratory control limits (50-150%) for regulated PFAS. Numerous samples reported recoveries outside the laboratory control limits for unregulated PFAS including PFTeDA, MeFOSE, EtFOSE and 4:2 FTS which was attributed to laboratory interference. It is noted that these SS recoveries are only marginally outside of control limits and, furthermore, the SS recoveries for PFOS and PFHxS were within the acceptable range for the analysed samples, and as such the minor non-compliance is not considered to affect the interpretation of results.
Quality Assurance and Quality Controls Data Evaluation	
Comparison of Esdat data and Laboratory Results	No anomalous results between Esdat output data and laboratory analysis results were noted.
Data transcription	A check of the laboratory results identified no anomalies within the electronic data, the laboratory reports, and tables generated by AECOM.
Limits of reporting	Limits of Reporting (LOR) were sufficiently low to enable assessment against adopted human health screening levels and were consistent with Defence (2022) *Guidance Document E Standard PFAS Analytical Suite* requirements.
Comments	
The data validation procedure employed in the assessment of the field and laboratory QA/QC data indicated that the reported analytical results are representative of the sample locations and that the overall quality of the analytical data produced is acceptably reliable for the purpose of this report.	

Prepared for
Department of Defence
ABN: 68706814312

Sampling Event Factual Report, April 2024

PFAS OMP - RAAF Base Williamtown

25-Sep-2024
Doc No. 20240925_OMP002_WLM_SamplingEventFactualReport_Rev0

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Delivering a better world

Sampling Event Factual Report, April 2024

PFAS OMP - RAAF Base Williamtown

Client: Department of Defence

ABN: 68706814312

Prepared by

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25-Sep-2024

Job No.: 60612562

AECOM in Australia and New Zealand is certified to ISO9001, ISO14001 and ISO45001.

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Rev	Revision Date	Details
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List of Acronyms

Acronym	Term
ADWG	Australian Drinking Water Guidelines
AECOM	AECOM Australia Pty Ltd
AFFF	Aqueous Film Forming Foam
Defence	Department of Defence
DoH	Department of Health
DQI	Data Quality Indicator
DQO	Data Quality Objective
FSANZ	Food Standards Australia New Zealand
HEPA	Heads of Environment Protection Authority
LOR	Limit of Reporting
MW	Monitoring Well
NATA	National Analytical Testing Authority
NEMP	National Environmental Management Plan
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NHMRC	National Health and Medical Research Council
NSW	New South Wales
OMP	Ongoing Monitoring Plan
OMR	Ongoing Monitoring Report
ORP	Oxidation-Reduction Potential
PFAS	Per- and poly-fluoroalkyl substances
PFHxS	Perfluorohexane sulfonic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonic acid
PMAP	PFAS Management Area Plan
QA/QC	Quality Assurance and Quality Control
RPD	Relative Percentage Difference
SAQP	Sampling and Analysis Quality Plan
SD	Sediment
SW	Surface Water
TOC	Top of Casing

List of Units

Units	Term
°C	Degrees Celsius
µg/L	Micrograms per Litre
µS/cm	MicroSiemens per centimetre
g	Grams
km	Kilometre
L	Litre
m	Metre
mAHD	Metres Australian Height Datum
mbgl	Metres below ground level
mbTOC	Metres below Top of Casing
mg/kg	Milligrams per kilogram
mg/L	Milligrams per Litre
mV	MilliVolts

1.0 Introduction

1.1 General

AECOM Australia Pty Ltd (AECOM) has been engaged by the Department of Defence (Defence) to implement the per- and poly-fluoroalkyl substances (PFAS) Ongoing Monitoring Plan (OMP) at the RAAF Base Williamtown (the 'base', Site ID 0908) and the Williamtown Management Area in New South Wales (NSW). The location of the base and Management Area is shown in **Figure F1** in **Appendix A**.

The OMP (Defence, 2023b) outlines the sampling requirements for the base and off-base areas within the Management Area.

Following each sampling event, factual sampling event reports will be prepared. Ongoing Monitoring Reports will be prepared following the completion of each 12-month sampling period.

This Sampling Event Factual Report has been prepared to report the results of the April 2024 annual sampling event and subsequent sampling undertaken in May 2024, July 2024 and August 2024 (herein referred to as April 2024 sampling event), specifically highlighting first-time detections and/ornew exceedances of human health or ecological screening criteria for the sum of perfluorooctanesulfonic acid (PFOS) and perfluorohexane sulfonic acid (PFHxS) (herein referred to as PFOS+PFHxS),PFOS and/or perfluorooctanoic acid (PFOA).

This report has been prepared in accordance with the Defence *PFAS OMP Factual Report Guidance (Version 0.2)* issued in May 2021 (Defence, 2021).

1.2 Objectives

The objectives were to:

- implement the OMP (Defence, 2023b); and
- collect data that will enable Defence to maintain an up to date understanding of the distribution, concentration, transport, and transformation of PFAS.

The data collected may be used to inform where new risk management actions may be required, or to support a determination that remediation has been completed so far as reasonably practicable, including updates and revisions to the PFAS Management Area Plan (PMAP) (Defence, 2023a).

The objective of this phase of works was to implement the scope of works for the April 2024 annual sampling event in accordance with the Sampling and Analysis Quality Plan (SAQP) (AECOM, 2024).

2.0 Scope of Work

The scope of work was completed in general accordance with the SAQP (AECOM, 2024), as follows:

- obtain permission (where required) to conduct works at the base, off-base publicly accessible areas and at private properties
- gauging of groundwater level in monitoring wells prior to collection of samples
- groundwater sampling and collection of water quality parameters at 133 of 136 scheduled monitoring wells and bores (refer to **Table 1** below and **Figure F2** in **Appendix A** for specific locations)
- surface water sampling and collection of water quality parameters at 24 of 25 scheduled surface water locations (refer to **Table 2** below and **Figure F3** in **Appendix A** for specific locations)
- sediment sampling at all 26 scheduled sediment locations (refer to **Table 3** below and **Figure F4** in **Appendix A** for specific locations)
- collection of field duplicate samples at a rate of 1 in 10 primary samples
- analysis of samples for PFAS suite at the standard limit of reporting (LOR)
- data management of the OMP field and laboratory data in Defence ESdat database
- preparation of this Sampling Event Factual Report.

The deviations from the scheduled scope of works are discussed in detail in **Section 3.0**.

Note: due to privacy considerations, selected monitoring locations are unable to be shown on the figures in **Appendix A**.

Table 1 Groundwater Sampling Locations

On/Off-base	Area	Sampling Location	Total
On-base	Former & Current Fire Station (Facility 165)	MW196, MW198, MW200, MW201D, MW201S, MW202D, MW202S	7
	Former DEMS Landfill (Facility 394)	MW171D, MW171S, M172, MW240D, MW281S, MW282S, MW329, MW340D, MW340S, MW342D, MW344D, MW344S, MW354	13
	Former Fire Training Area (Facility 479)	MW166, MW167, MW168, MW169D, MW169S	5
	HWC Pump Station 7 (PS7)	MW134D, MW134I, MW245D, MW245S, MW317D, MW317S	6
	Lake Cochran	MW108D, MW108S, MW109D, MW175D, MW179D, MW179S, MW466, MW468	8
	North-East Landfill	MW406	1
	Northern Boundary	MW155	1
	Trade Waste Treatment (Facility 480)	MW106D, MW106S, MW208, MW210D, MW210S, MW304, MW441, MW886	8

On/Off-base	Area	Sampling Location	Total
Off-base	Cabbage Tree Road	MW125D, MW125S, MW126D, MW126S, **MW139**, MW178, **MW230S**, **MW238D**, **MW238S**, **POT085***, **POT107**	11
	East of base - HWC Pump Station 9 (PS9)	MW130D, MW130S, MW132D, MW132S, MW159D, MW159S, MW160, MW318D, MW318S, MW829, MW842, MW844, MW897D, MW897S	14
	East of base - Moors Drain	MW121, MW161D, MW161S, MW247D, MW247S, **POT046***	6
	East of base – Nelson Bay Road	MW122, MW162D, MW162S	3
	Fullerton Cove	**MW147D**, **MW147S**, **MW231D**, **MW231S**, MW232D, MW232S, **MW270D**, **MW270S**, **POT236***, **POT382**	10
	Lavis Lane	MW128D, MW128S, MW163, MW195, MW279S, MW316D	6
	North of base - Background	MW264D, MW264S	2
	Salt Ash	MW118, MW123, MW252S, MW255D, MW255S, MW256D, MW256S, MW257D, MW257S, MW260D, MW260S, **POT144**	12
	South of base – Nelson Bay Road	MW150D, MW150S	2
	Southern Area	MW104D, MW104S, MW184D, MW184S, MW188D, MW188S, MW731D, MW731S	8
	Southern Area – Cabbage Tree Road	MW146AD, MW146S, **MW271D**, **MW271S**, MW278D, MW278S	6
	West of base	MW107D, MW107S, MW241D, MW241S, MW280S, MW315D, MW315S	7
Total			**136**

* Location not sampled

Bold text denotes residential private property location

Table 2 Surface Water Sampling Locations

On/Off-base	Area	Sampling Location	Total
On-base	Dawsons Drain (Lake Cochran)	SW055	1
	Lake Cochran	SW108, SW110	2
	Moors Drain Catchment	SW582, SW588*	2
	On-base Drain (East of Former DEMS Landfill)	SW048	1
	On-base Drain (North of Lake Cochran)	SW047	1
Off-base	Dawsons Drain	SW059, SW060, **SW333**	3
	Fourteen Foot Drain	SW062, **SW600**	2
	Fullerton Cove Ring Drain	**SW259**	1
	Moors Drain	SW001, SW005, SW006, SW007, SW009, SW011, SW014	7

On/Off-base	Area	Sampling Location	Total
Off-base	Ten Foot Drain	SW081	1
	Tilligerry Creek	**SW019**, SW023, SW024, SW079	4
Total			**25**

* Location not sampled
Bold text denotes residential private property location

Table 3 Sediment Sampling Locations

On/Off-base	Area	Sampling Location	Total
On-base	Dawsons Drain (Lake Cochran)	SD055	1
	Lake Cochran	SD108, SD110	2
	On-base Drain (East of Former DEMS Landfill)	SD048	1
	On-base Drain (North of Lake Cochran)	SD047	1
Off-base	Dawsons Drain	SD059, SD060, **SD333**	3
	Fourteen Foot Drain	SD062, **SD600**	2
	Fullerton Cove (tidal gate outlet)	**SD254**, **SD255**, **SD326**	3
	Fullerton Cove Ring Drain	**SD259**	1
	Moors Drain	SD001, SD005, SD006, SD007, SD009, SD011, SD014	7
	Ten Foot Drain	SD081	1
	Tilligerry Creek	**SD019**, SD023, SD024, SD079	4
Total			**26**

Bold text denotes residential private property location

3.0 Deviations from the SAQP

The April 2024 annual sampling event was completed in general accordance with the SAQP (AECOM, 2024) with the exception of the deviations outlined in **Table 4** below.

Table 4 Deviations from SAQP

SAQP Deviation	Comment / Justification	Impact on Dataset
Samples, and associated field parameters, were not collected from three of the 136 scheduled groundwater sampling locations.	Note that a total of five residential groundwater bore locations (POT046, POT085, POT107, POT144 and POT236) and one residential groundwater monitoring well location (MW139), were included following the publication of the updated OMP (Defence, 2023b) following discussions with private property owners. Therefore, these locations have been noted as deviations from the OMP. Of the five locations, three residential groundwater bore locations (POT046, POT085 and POT236) were not sampled as accesses approval from property owners were not received within the sampling period.	The lack of sampling data at the three residential bore locations is not considered to have a significant impact on the existing data or present a significant data gap given that the data collected since 2016 at these locations show that the PFAS concentrations have remained stable.
Samples, and associated field parameters, were not collected from one of the 25 scheduled surface water sampling locations.	Surface water location SW588 was dry and therefore could not be sampled during this event.	The lack of sampling data at this location (drain at the base boundary) is not considered to have a significant impact on the existing data or present a significant data gap given that the nearby downstream location (SW001) was able to be sampled, and that the Eastern Region stormwater drainage system will be sampled under a separate program of works in September 2024.
Surface water sample at one of the 25 scheduled surface water sampling locations was collected with a high-density polyethylene (HDPE) bailer.	Due to safety and access considerations, the surface water sample at locations SW582 (a stormwater drain on base) was collected using a dedicated disposable HDPE bailer, before being decanted into laboratory supplied bottles.	Given that sampling results for SW582 were within the historical range reported at this location, the change in sampling methodology is not considered to have impacted upon the reliability of the data for the purposes of the OMP.

4.0 Methodology

4.1 Sampling Methodology

The methodology used for the April 2024 annual sampling event was in general accordance with the SAQP (AECOM, 2024) and is summarised in **Table 5** below.

Table 5 Sampling Methodology

Item	Details
Groundwater gauging	The depth to groundwater was measured in each monitoring well immediately prior to collection of groundwater samples (where sampling was required) using an interface probe. In addition, a targeted gauging round including 29 selected monitoring wells was completed to generate data for the groundwater elevation contours and assess groundwater flow direction. The targeted gauging round was completed on 19 April 2024. Measurements of depth to groundwater were undertaken using a decontaminated interface probe, which was serviced by the supplier prior to use. The equipment supplier records are provided in **Appendix C**.
Field parameters	Temperature, electrical conductivity, dissolved oxygen, oxidation-reduction potential (ORP), pH and observations of water quality were recorded for groundwater and surface water samples. Water quality parameters were collected using a calibrated water quality meter. The equipment supplier service and calibration records, and field calibration records are provided in **Appendix C**.
Sampling methodology	**Groundwater Monitoring Wells** Groundwater samples were collected from monitoring wells using a no-purge methodology with HydraSleeves™ which were installed within the screened interval of the wells and avoiding placing the base of the HydraSleeves™ at the base of the monitoring well, where a build-up of sediment may be present. The installation depth of the HydraSleeves™ was recorded (as HydraSleeve™ collar depth in metres below top of casing (mbTOC)). HydraSleeves™, with bottom weights only, were installed / deployed in monitoring wells for a minimum of 4 hours prior to sampling, to allow re-stabilisation of the well following disturbance. For this event, majority of the HydraSleeves™ were installed during the previous sampling event in November 2023, with the exception of 13 which were installed during this sampling event. HydraSleeves™ were installed at the following: • MW304, MW329, MW340D, MW340S, MW342D, MW344D, MW344S, MW354S, MW441, MW731D, MW731S and MW886. These locations were new to OMP, therefore no HydraSleeves™ were present. • MW188D. No HydraSleeve™ was found at this location, which was noted to be damaged by road works during the previous annual sampling event in May 2023. At these 13 locations, AECOM installed HydraSleeves™ and returned after a minimum of 4 hours to collect the groundwater samples. In the event that a HydraSleeve™ fails to deploy or has been removed inadvertently (i.e. by a non-OMP project), the sample can be collected using a dedicated disposable HDPE bailer, if time or access constraints do not permit re-deployment of the HydraSleeve™ and subsequent sampling in the same

Item	Details
	sampling event. When sampling with a bailer, a minimum of three well volumes should be purged and purging should be continued until stabilisation of water quality parameters (to be collected continuously ex-situ) is achieved. If recharge is insufficient during purging, care should be taken to avoid purging the well dry and collecting the sample when reasonable to do so. The HydraSleeve™ in monitoring well MW245S failed to deploy as the water column had insufficient volume. Therefore, the well was sampled with a dedicated disposable HDPE bailer. The well's recharge was insufficient for purging. Following sampling, water quality parameters were recorded ex-situ, from any excess water available in the HydraSleeve™, and a new HydraSleeve™ was deployed at the screened interval depth at each location in preparation for the next scheduled sampling round, where practicable. As per the SAQP (AECOM, 2024), the groundwater samples from MW842 and MW844 were collected using a peristaltic pump, due to narrow PVC of these monitoring wells, while the groundwater sample from MW829 was collected using a dedicated disposable HDPE bailer, as this pump station bore/sampling point is a non-traditional well with no well cap or gatic. **Residential Bores** Bore water samples were collected by placing the laboratory provided sample bottle beneath the tap outlet and the tap slowly opened to collect the "first flush" of water. At each location, new laboratory supplied container were used with the caps immediately applied once the containers were full. Following sampling, water quality parameters were recorded ex-situ, by placing the water quality meter probe in a cup filled with bore water from the tap outlet. **Surface Water** Surface water samples were collected from either mid-way through the water column or approximately 0.5 m below the surface (if possible) using a 'grab' sample method, without disturbing the bottom of the surface water body and without capturing any surface film, to minimise collection of sediment, or floating materials in the samples. At each location, new laboratory supplied containers were lowered into the water with the caps immediately applied once the containers were full. Where sampling points were not able to be accessed safely, surface water samples were collected with use of a sampling pole. Description of each sampling location were recorded (including physical setting, flow observations, presence of sheen or foam etc). **Sediment** Sediment samples were collected from a depth representative of potentially deposited sediments and collected from within the water body, using a hand trowel to a maximum depth of 0.3 m below the sediment surface. A new laboratory supplied container was used at each location for collection of samples, and any reusable sampling equipment utilised was de-contaminated between locations. Description of each sampling location and the sample material was recorded.

Item	Details
QA/QC Samples	A QA/QC program was implemented for the sampling and analysis program in order to obtain representative data and assess the reliability of the data obtained. To facilitate the QA/QC program the following sample types were obtained during the sampling program: • *Intra-laboratory duplicates* collected at a rate of 1 in 10 primary samples. The relative percentage difference (RPD) should be less than 30%, or less than 50% if results are less than 20 times the LOR. Higher RPDs may also be acceptable if results are less than 10 times the LOR. • *Inter-laboratory duplicates* collected at a rate of 1 in 10 primary samples. The RPD should be less than 30%, or less than 50% if results are less than 20 times the LOR. Higher RPDs may also be acceptable if results are less than 10 times the LOR. • *Rinsate blanks* collected at a frequency of one per set of sampling equipment per day where equipment was reused between locations. Analytical results should be below the laboratory LOR. For this April 2024 annual sampling event, the QA/QC samples included: • 19x intra-laboratory duplicates (15 groundwater, 2 surface water and 2 sediment) which met the total target frequency • 18x inter-laboratory duplicates (14 groundwater, 2 surface water and 2 sediment) which was marginally below the total target frequency • 9 x rinsate blanks, which met the total target frequency. The total number of primary samples collected amounts to 163 samples for water (including the 6 anomalous samples) and 26 samples for sediment. The detailed data validation assessment is presented in **Appendix D**.
Sample analysis	Samples were submitted to the primary and secondary laboratories for PFAS suite at the standard LOR. ALS Environmental (ALS) Sydney, NSW was used as the primary laboratory. Envirolab Services (Envirolab) Sydney, NSW was used as the secondary laboratory. ALS and Envirolab methods for analyses were certified by the National Association of Testing Authorities (NATA). A summary of the laboratory results is presented in **Section 5.3** and the laboratory certificates are presented in **Appendix E**.

4.2 Adopted Screening Criteria

Guidance documents used to assess the dataset include the following:

- Heads of EPAs Australia and New Zealand (HEPA) 2020. *PFAS National Environmental Management Plan 2.0*. January 2020.
- Department of Health (DoH), 2017. *Health Based Guidance Values for PFAS for use in site investigations in Australia*. April 2017.
- Food Standards Australia New Zealand (FSANZ), 2017. *Supporting Document 1: Hazard assessment report – Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic Acid (PFOA), Perfluorohexane Sulfonate (PFHxS).*
- National Health and Medical Research Council (NHMRC), 2019. *Guidance on PFAS in Recreational Water.* August 2019.

- National Environment Protection Council (NEPC), 2013. *Schedule B1. National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) Schedule B1 Guideline on Investigation Levels for Soil and Groundwater.*

The adopted PFAS screening criteria to assess the data generated as part of the OMP are presented in **Table 6** below. It is noted that, at the time of preparing this report, the PFAS NEMP (HEPA, 2020) did not provide any screening criteria for PFAS in sediments.

Table 6 Summary of Adopted Screening Criteria: Water

Media	Pathway	Compound	Criteria	Comment/Reference
Human Health Receptors				
Water – Groundwater	Drinking water	PFOS + PFHxS	0.07 µg/L	The values presented in the PFAS NEMP (HEPA, 2020) are from DoH (2017), which published final health-based guidance values for PFAS for use in site investigations in Australia. DoH utilised the Tolerable Daily Intake for PFOS and PFOA from FSANZ (2017) and the methodology described in Chapter 6.3.3 of the NHMRC's Australian Drinking Water Guidelines (ADWG) (2022) to determine drinking water values. For PFHxS, DoH (2017) noted that '*FSANZ concluded that there was not enough toxicological and epidemiological information to justify establishing a tolerable daily intake. However, as a precaution, and for the purposes of site investigations, the PFOS tolerable daily intake should apply to PFHxS. In practice, this means that the level of PFHxS exposure should be added to the level of PFOS exposure; and this combined level be compared to the tolerable daily intake for PFOS*'. *All groundwater results were compared to these criteria.*
		PFOA	0.56 µg/L	
Water – Surface Water and Groundwater	Recreational use	PFOS + PFHxS	2 µg/L	In August 2019, NHMRC's water quality advisory recommended an alternative methodology to calculate recreational guideline values. Instead of basing it on an ingestion rate of 0.2 L of water per day (as per the ADWG formula), NHMRC adjusted this rate with consideration of an event frequency (150 events/year) to calculate an annual ingestion rate of 30 L per year. These values were adopted in the PFAS NEMP (HEPA, 2020). Note: given that groundwater at the base is extracted for irrigation purposes (post treatment), the recreational guidelines have been adopted to be protective of this water use activity. *All surface water and groundwater results were compared to these criteria.*
		PFOA	10 µg/L	

Media	Pathway	Compound	Criteria	Comment/Reference
Ecological Receptors				
Water – Groundwater and Surface Water	Freshwater	PFOS	0.00023 µg/L	The values are from the PFAS NEMP (HEPA, 2020) which endorsed the Australian and New Zealand Guidelines for Fresh and Marine Water Quality. The 99% species protection level (for freshwater and interim marine) has been applied for high value conservation systems. This approach is generally adopted for chemicals that bioaccumulate and biomagnify in wildlife. It is proposed that the laboratory LOR is adopted for the purposes of preliminary screening of analytical water results, rather than sole use of the criteria value. *All groundwater and surface water results were compared to these criteria.*
		PFOA	19 µg/L	

4.3 Data Quality Objectives and Data Validation

The data quality objectives (DQOs) and data quality indicators (DQIs) adopted for these works are presented in the SAQP (AECOM, 2024). Data validation assessment is provided in **Appendix D**.

Data validation procedures employed in the assessment of the field and laboratory's Quality Assurance and Quality Control data, completed as per Section 3.2 of the SAQP, indicated that the reported analytical results are representative of the sample locations and that the overall quality of the analytical data produced is acceptably reliable (i.e. >95% of the data was suitable for use and DQIs passed acceptance criteria) for the purpose of this factual report.

It is noted that potentially anomalous results were reported in MW155, MW159D, MW159S, MW241D, MW241S and MW844 following the sampling completed in April 2024. Given that the results were significantly different to historical data these monitoring wells were resampled in July 2024.

The results of the resampling confirmed that the April 2024 results for these locations were anomalous and therefore were omitted from use in this report.

Further details of the resampling and comparison of results are presented in **Appendix D**.

All data collected during this event have been reviewed and uploaded to the Defence ESdat database in accordance with Defence Contamination Management Manual requirements.

5.0 Field Observations and Results

5.1 General Observations

The weather conditions and general observations (including activities that may impact the monitoring program) recorded during the April 2024 annual sampling event are summarised below in **Table 7**. The sampling event was completed between 15 and 24 April 2024, with subsequent sampling visits on 9 May 2024 and 2 August 2024, and resampling on 31 July 2024.

Table 7 General Observations

Items	Observations
Weather Conditions	During the sampling event, the weather was observed to be variable, with the following observations made at Williamtown (Williamtown RAAF, Station 061078) (Bureau of Meteorology, 2024): • Maximum daily temperatures o 15 and 24 April 2024 – between 19.1˚C and 26.7˚C o 9 May 2024 – 21.4 ˚C o 31 July 2024 – 15.7 ˚C o 2 August 2024 – 17.0 ˚C • Cumulative rainfall o 15 and 24 April 2024 – 41.8 mm with most of the rainfall recorded on 21 April 2024 (23.4 mm) o 9 May 2024 – 1.2 mm o 31 July 2024 – 1.4 mm o 2 August 2024 – 4.8 mm.
Estate Management Works, Training Activities and/or Construction Works.	No estate management works, training activities or construction works were observed during the sampling event that would impact the sampling program.

5.2 Field Observations and Measurements

The observations and measurements recorded during the field activities for the April 2024 annual sampling event are summarised in **Table 8**, below.

Table 8 Field Observations and Measurements

Item	Description
Monitoring Well Network Condition	All wells sampled were observed to be in good condition with the exception of the following: • MW132S, MW146AD, MW168, MW172, MW188D, MW188S, MW255S, MW278S: well gatic lugs for bolts are rusted, however, the wells were still accessible. • MW150D: well gatic full of soft bentonite around j-cap, removed prior to opening the well for sampling. • MW166, MW169D, MW169S, MW201D, MW278: well gatic partly buried / covered with soil and at MW179D, covered by hessian barrier. Soil and debris were removed prior to sampling. • MW184S, MW198: well gatic lid missing. The lid at MW184S needs to be replaced, whereas at MW198, the gatic lid was removed for safety reasons due to the well located on airside, as it could not be secured firmly. • MW202D: well partially covered with asphalt / roadbase, which was removed prior to sampling.

Item	Description
	• MW169D, MW230S, MW231D, MW241D, MW241S, MW245D, MW245S, M252S, MW270D, MW270S, MW317D, MW317S: well gatics were full of water to below the top of casing or, in the case of MW231D, to above top of casing. The water was removed prior to sampling at each location. Given the J-caps were secure, water ingress into the wells was unlikely. Noting that during the resampling visit at MW241D and MW241S, no water was observed in the gatic. • MW208: well casing may be blocked based on gauged depth. Unable to dislodge any potential blockage. Despite the blockage, the groundwater was able to be sampled from within the screen interval, and therefore considered representative. • MW304, MW886: required redevelopment prior to installation of HydraSleeve™, based on sediment load and water quality parameters collected. • MW304: well gatic lid was rusted. • MW155, MW159D, MW159S, MW241D, MW241S, MW844: were redeveloped prior to completing the resampling in July 2024.
Water Observations	No visible signs of contamination were observed in the groundwater and surface water locations sampled. Sulphurous odours were noted at 38 groundwater locations (refer to **Table T2** in **Appendix B**) and two surface water locations (SW005 and SW014). Organic odours were noted at 17 groundwater locations (refer to **Table T2** in **Appendix B**) and two surface water locations (SW019 and SW600).
Depth to Groundwater and Flow Direction	During the sampling event, depth to groundwater ranged from 0.000 (MW231D, MW252S) and 3.769 (MW304) mbTOC, and groundwater elevation ranged between -0.063 (MW128S) and 8.180 (MW264S) metres Australian Height Datum (mAHD). Groundwater gauging data is presented in **Table T1** in **Appendix B**. The inferred groundwater flow direction is to the south and southeast, towards Tilligerry Creek and Fourteen Foot Drain, and is likely to the north and northeast, south of Tilligerry Creek, Fourteen Foot Drain and Ten Foot Drain (refer to **Figure F5-1** and **F5-2** in **Appendix A**), which was generally consistent with previous flow directions. Note that the groundwater elevation contours in **Figure F5-1** and **Figure F5-2** (in **Appendix A**) are based on the gauging of 29 selected wells on 19 April 2024 to minimise the potential for temporal variability.
Water Quality Parameters	Groundwater and surface water quality parameters were measured during the collection of water samples. The readings are presented in **Table T2** and **Table T3** in **Appendix B** and are summarised below: **Groundwater Quality Parameters** • Dissolved oxygen ranged from 0.02 mg/L (MW844) to 9.3 mg/L (MW121) indicating poor to well oxygenated conditions. • Electrical conductivity ranged from 5.0 µS/cm (MW169S, MW731D) to 25,702 µS/cm (MW147D) indicating fresh to saline conditions. • pH ranged from 4.19 (MW340S) to 7.88 (POT382) indicating acidic to neutral conditions. • ORP ranged from -5.2 mV (MW163) to 447.8 mV (MW886) indicating reducing to oxidising conditions. • Temperature ranged from 13.6˚C (MW132S) to 29.3˚C (MW241D).

Item	Description
	Surface Water Quality Parameters • Dissolved oxygen ranged from 1.44 mg/L (SW079) to 10.28 mg/L (SW048) indicating moderately to well oxygenated conditions. • Electrical conductivity ranged from 65.2 µS/cm (SW108) to 11,173 µS/cm (SW024) indicating fresh to saline conditions. • pH ranged from 4.21 (SW333) to 7.46 (SW023) indicating acidic to neutral conditions. • ORP ranged from 112 mV (SW600) to 488.3 mV (SW333) indicating mildly reducing to oxidising conditions. • Temperature ranged from 18.3˚C (SW259) to 28.3˚C (SW047).
Sediment Observations	Sediment sampled and logged during this monitoring event comprised sand, silt and clay materials with minor inclusions of gravels and trace shell fragments, and varying amounts of organic material (roots, leaves, grass). Organic odours were noted in 5 sediment locations (SD007, SD024, SD079, SD108, and SD600), and sulfuric odours were noted in 2 locations (SD005 and SD014). Refer to in **Table T4** in **Appendix B** for a summary of sediment classifications and observations.

5.3 Summary of Analytical Results

5.3.1 Groundwater Analytical Results

The groundwater PFAS analytical results from this sampling event are presented in **Table T5** in **Appendix B**. In summary, 133 primary groundwater samples were analysed for PFAS compounds, with concentrations of:

- PFOS+PFHxS, PFOS and/or PFOA reported above laboratory LOR in 91 primary samples
- PFOS+PFHxS and/or PFOA exceeding the adopted human health drinking water screening criteria in 67 primary samples
- PFOS+PFHxS and/or PFOA exceeding the adopted human health recreational water screening criteria in 31 primary samples
- PFOS and/or PFOA exceeding the adopted ecological screening criteria in 75 primary samples.

Deviations from the historical dataset are reported in **Table 9** and graphically on **Figure F6** in **Appendix A**.

Table 9 Deviations from Historical Dataset: Groundwater

Deviation Type	Groundwater sampling location	PFOS+PFHxS (µg/L)		PFOA (µg/L)		PFOS (µg/L)	
		Apr 2024	Previous maximum	Apr 2024	Previous maximum	Apr 2024	Previous maximum
First-time detections of PFOS+PFHxS PFOS and/or PFOA in groundwater	MW146AD	There were no first-time detections in the dataset.		0.04	<LOR	There were no first-time detections in the dataset.	
	MW201D	There were no first-time detections in the dataset.		0.05	<LOR	There were no first-time detections in the dataset.	
	MW257S	0.01	<LOR	There were no first-time detections in the dataset.		0.01	<LOR
	MW270D	0.02	<LOR	There were no first-time detections in the dataset.		0.02	<LOR
	MW271D	There were no first-time detections in the dataset.		There were no first-time detections in the dataset.		0.03	<LOR
	MW340D*	There were no first-time detections in the dataset.		0.04	<LOR	There were no first-time detections in the dataset.	
	MW344D*	There were no first-time detections in the dataset.		0.02	<LOR	There were no first-time detections in the dataset.	

Deviation Type	Groundwater sampling location	PFOS+PFHxS (µg/L)		PFOA (µg/L)		PFOS (µg/L)	
		Apr 2024	Previous maximum	Apr 2024	Previous maximum	Apr 2024	Previous maximum
New exceedance of the NEMP (HEPA, 2020) drinking water guidelines in groundwater	MW731D*	There were no new exceedances of the NEMP Human Health (Drinking Water) Screening Criteria in the dataset.		0.58	0.16	There are no applicable NEMP Human Health (Drinking Water) Screening Criteria.	
	MW731S*	There were no new exceedances of the NEMP Human Health (Drinking Water) Screening Criteria in the dataset.		0.59	036	There are no applicable NEMP Human Health (Drinking Water) Screening Criteria.	
New exceedance of the NEMP (HEPA, 2020) recreational water guidelines in groundwater	MW146AD	2.47	0.28	There were no new exceedances of the NEMP Human Health (Recreational Water) Screening Criteria in the dataset.		There are no applicable NEMP Human Health (Recreational Water) Screening Criteria.	
	MW201D	5.92	0.56				
New exceedance of the NEMP (HEPA, 2020) Freshwater 99% guidelines in groundwater	MW257S	There are no applicable NEMP Ecological Screening Criteria (99%).		There were no new exceedances of the NEMP Ecological Screening Criteria (99%) in the dataset.		0.01	<LOR
	MW270D					0.02	<LOR
	MW271D					0.03	<LOR
Legend							
Blue Shading	Blue shading indicates sampling location with a first-time detection of PFOS+PFHxS, PFOS and/or PFOA						
Yellow Shading	Yellow shading indicates sampling location with a new exceedance of NEMP Human Health and/or Ecological Screening Criteria						
Note: MW340D, MW344D, MW731D and MW731S were sampled for the first time under the OMP scope during this sampling event and as such there is limited historical data associated with these locations.							

5.3.2 Surface Water Analytical Results

The surface water PFAS analytical results from this sampling event are presented in **Table T6** in **Appendix B**. In summary, 24 primary surface water samples were analysed for PFAS compounds, with concentrations of:

- PFOS+PFHxS, PFOS and/or PFOA reported above laboratory LOR in all 24 primary samples
- PFOS+PFHxS and/or PFOA exceeding the adopted human health recreational water screening criteria in 9 primary samples
- PFOS and/or PFOA exceeding the adopted ecological screening criteria in all 24 primary samples.

There were no first-time detections, or new exceedances of the adopted human health (recreational water) or ecological screening criteria for PFOS+PFHxS, PFOS and/or PFOA, in the surface water samples analysed.

5.3.3 Sediment Analytical Results

The sediment PFAS analytical results from this sampling event are presented in **Table T7** in **Appendix B**. In summary, 26 primary sediment samples were analysed for PFAS compounds, with

concentrations of PFOS+PFHxS, PFOS and/or PFOA reported above laboratory LOR in all 26 primary samples.

Deviations from the historical data set are provided in **Table 10** below and on **Figure F7** in **Appendix A**.

Table 10 Deviations from Historical Dataset - Sediment

Deviation Type	Sediment sampling location	PFOS+PFHxS (mg/kg)		PFOA (mg/kg)		PFOS (mg/kg)	
		Apr 2024	Previous maximum	Apr 2024	Previous maximum	Apr 2024	Previous maximum
First-time detections of PFOS+PFHxS PFOS and/or PFOA in sediment	SD333*	0.148	n/a	0.0012	n/a	0.123	n/a
	SD600	There was no first-time detection in the dataset.		0.0003	<LOR	There was no first-time detection in the dataset.	
Legend							
Blue Shading	Blue shading indicates sampling location with a first-time detection of PFOS+PFHxS, PFOS and/or PFOA						
n/a	Not applicable – no historical data available.						
Note: SD333 was sampled for the first time during this sampling event and as such it has no historical data. All detections were flagged as first-time detections.							

5.4 Historical Sampling Data

Historical groundwater, surface water and sediment sampling data are presented in **Table T8**, **Table T9** and **Table T10** (respectively) in **Appendix B**.

6.0 Summary and Next Sampling Events

6.1 Summary of Monitoring Event

The April 2024 annual sampling event was completed between 15 and 24 April 2024, with subsequent sampling visits on 9 May 2024 and 2 August 2024, and resampling on 31 July 2024. The findings and the recommended actions are summarised in **Table 11** below.

Table 11 Summary of Sampling Event

Item	Comment	Recommended Action
Access to sampling locations	The following were accessed and able to be sampled: • 133 groundwater locations • 24 surface water locations • 26 sediment locations	Nil.
Locations unable to be located, inaccessible or dry	Three residential groundwater bores (POT046, POT085 and POT236) were not able to be accessed and therefore not sampled. One surface water location (SW588) was dry and unable to be sampled.	AECOM will attempt to access and sample POT046, POT085, POT236 and SW588 during the next scheduled sampling event.
Monitoring well network condition	The monitoring wells that were able to be accessed and sampled were noted to be in good condition, with the exception of the following observed at some locations: • water in the well gatic below/above top of casing (MW169D, MW230S, MW231D, MW245D, MW245S, M252S, MW270D, MW270S, MW317D, MW317S) • well blocked/obstructed (MW208) • well gatic full of soft bentonite around j-cap (MW150D) • well gatic lid missing (MW184S, MW198) • well gatic lugs for bolts / gatic lid rusted (MW132S, MW146AD, MW168, MW172, MW188D, MW188S, MW255S, MW278S, MW304) • well gatic partly buried / covered with soil, roadbase and/or hessian barrier (MW166, MW169D, MW169S, MW179D, MW201D, MW202D, MW278) • wells redeveloped prior to HydraSleeve installation and/or resampling (MW155, MW159D, MW159S, MW241D, MW241S, MW304, MW844, MW886)	AECOM will attempt to complete the following during the next scheduled sampling event: • replace missing gatic lid for MW184S • unblock/remove obstruction from monitoring well MW208 All other monitoring well conditions were addressed during this sampling event.

Item	Comment	Recommended Action
Analytical Results	133 groundwater primary samples (excluding anomalous samples), 24 surface water primary samples and 26 sediment primary samples were analysed.	Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.
First-time detections of PFOS+PFHxS, PFOS and/or PFOA	First-time detections of PFOS+PFHxS, PFOA and/or PFOS were reported in seven (MW146AD, MW201D, MW257S, MW270D, MW271D, MW340D, MW344D) of 133 groundwater locations sampled. No first-time detections of PFOS+PFHxS, PFOA and/or PFOS were reported in surface water locations sampled. First-time detections of PFOS+PFHxS, PFOA and/or PFOS were reported in two (SD333 and SD600) of 26 sediment locations sampled. It is noted that SD333 was sampled for the first time during this sampling event.	Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.
New exceedance of adopted human health screening criteria	New exceedances of the adopted human health screening criteria for PFOS+PFHxS and/or PFOA were reported in four (MW146AD, MW201D, MW731D, MW731S) of 133 groundwater locations sampled. No new exceedances of the adopted human health screening criteria for PFOS+PFHxS and/or PFOA were reported in surface water locations sampled.	Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.
New exceedance of adopted ecological screening criteria	New exceedances of the adopted ecological screening criteria for PFOS and/or PFOA were reported in three (MW257S, MW270D, MW271D) of 133 groundwater locations sampled. No new exceedances of the adopted ecological screening criteria for PFOS and/or PFOA were reported in surface water locations sampled.	Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.

6.2 Upcoming Sampling Events

The next OMP sampling event is scheduled for September 2024.

6.3 Upcoming Ongoing Monitoring Report

The next Ongoing Monitoring Report is scheduled to be delivered in Q4 of 2024, covering data collected within the 12-month sampling period between January 2024 and December 2024.

7.0 References

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Appendix A

Figures

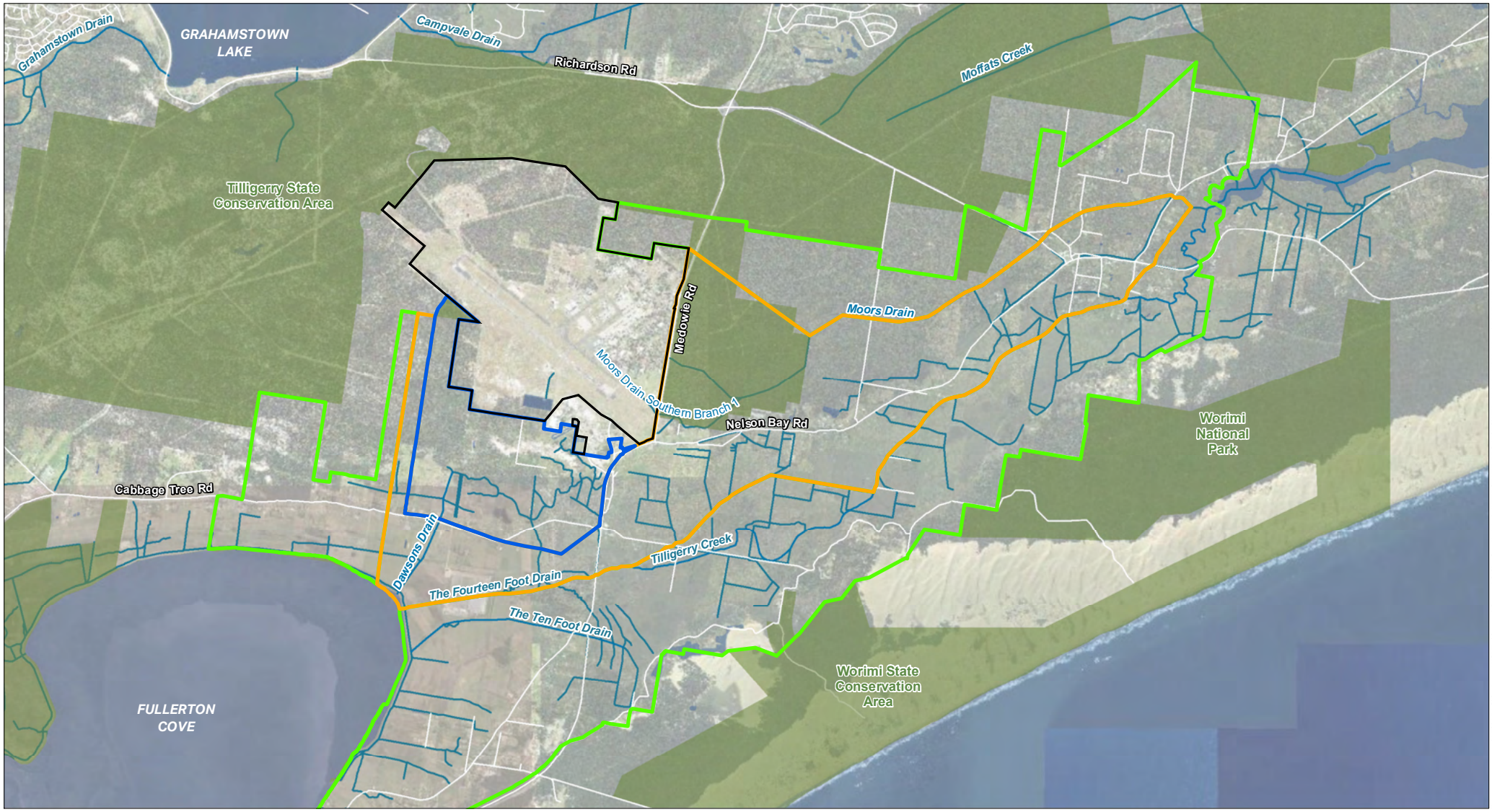

FIGURE F1: SITE LAYOUT

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway

N

0 1 2 km

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REPORT NAME:
Sampling Event Factual Report – April 2024
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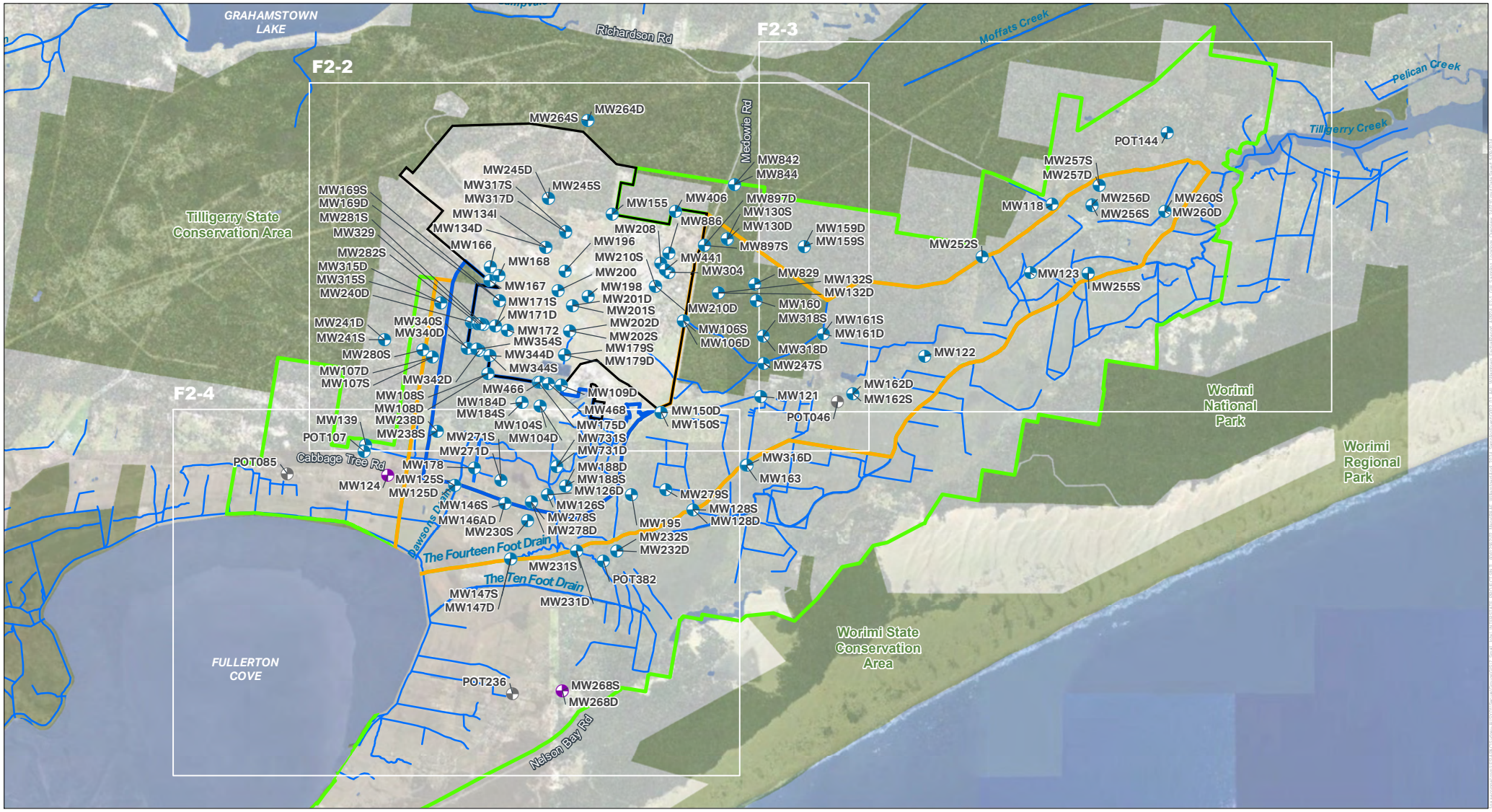

FIGURE F2-1: MONITORING OVERVIEW

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (not sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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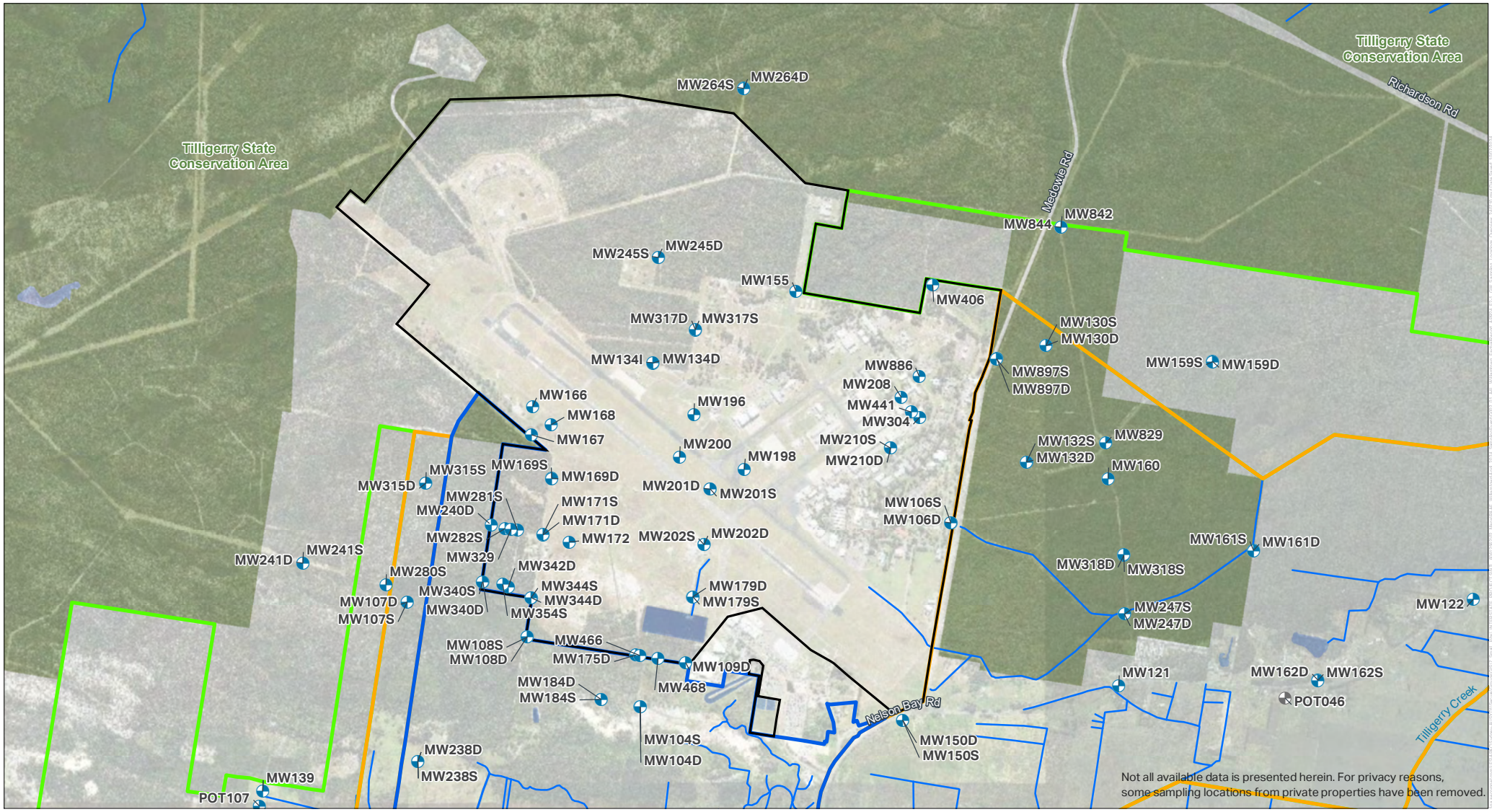

FIGURE F2-2: MONITORING LOCATIONS - BASE AND WEST

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (not sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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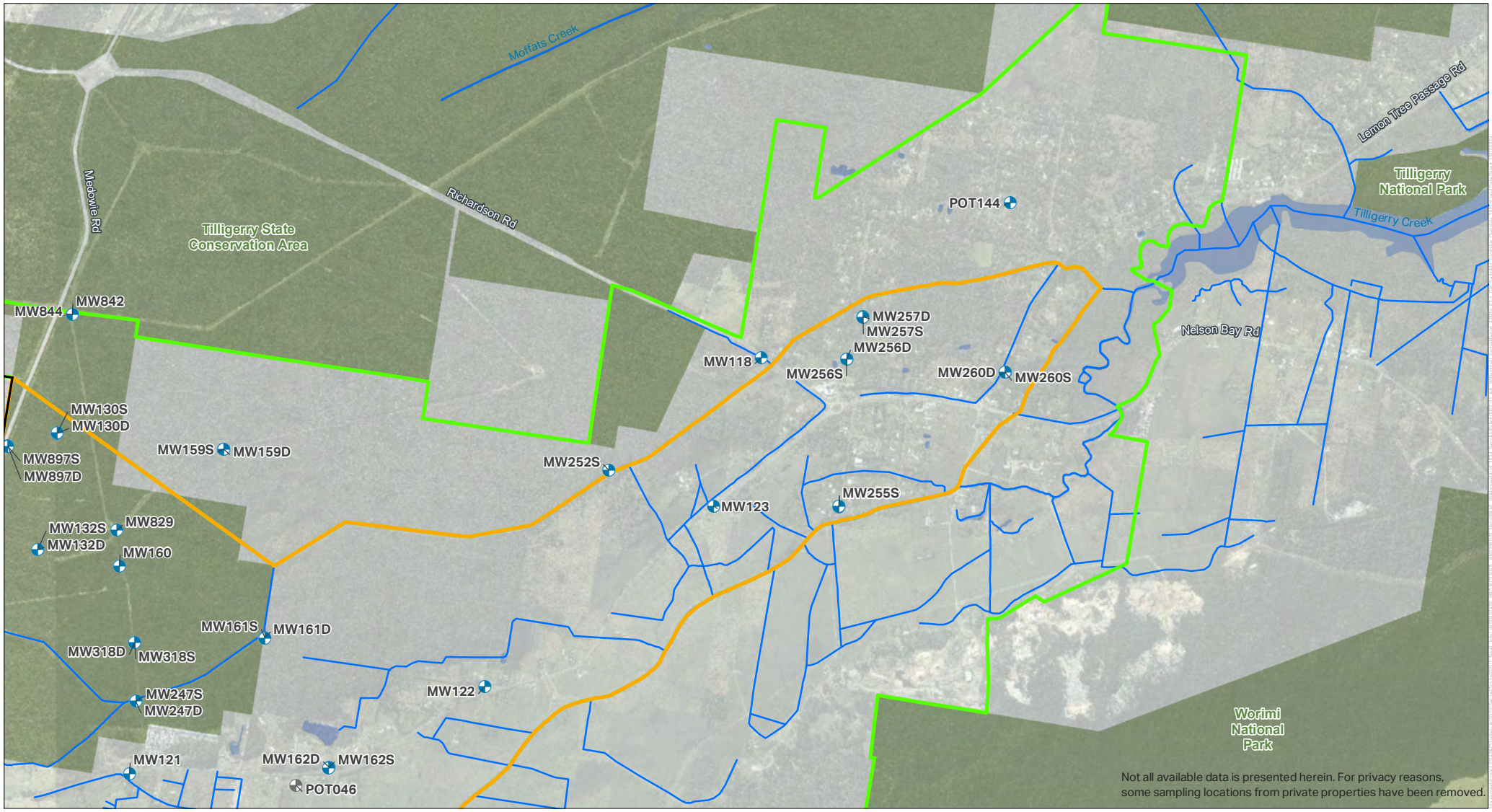

FIGURE F2-3: MONITORING LOCATIONS - EAST

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (not sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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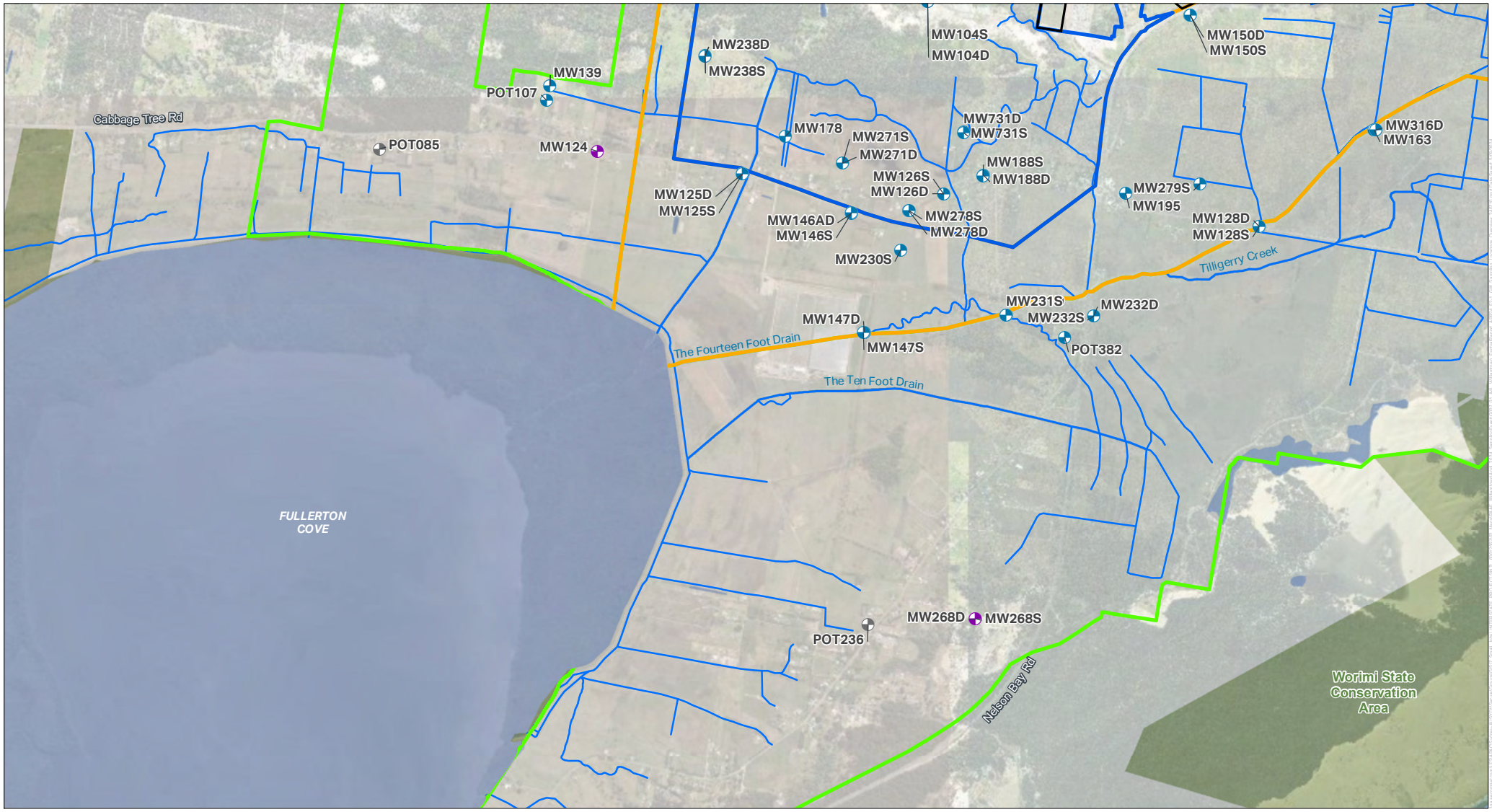

FIGURE F2-4: MONITORING LOCATIONS - SOUTH

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (not sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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FIGURE F3: SURFACE WATER SAMPLING LOCATIONS

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Surface Water Location (sampled)
- Surface Water Location (not sampled)

N

0 1 2 km

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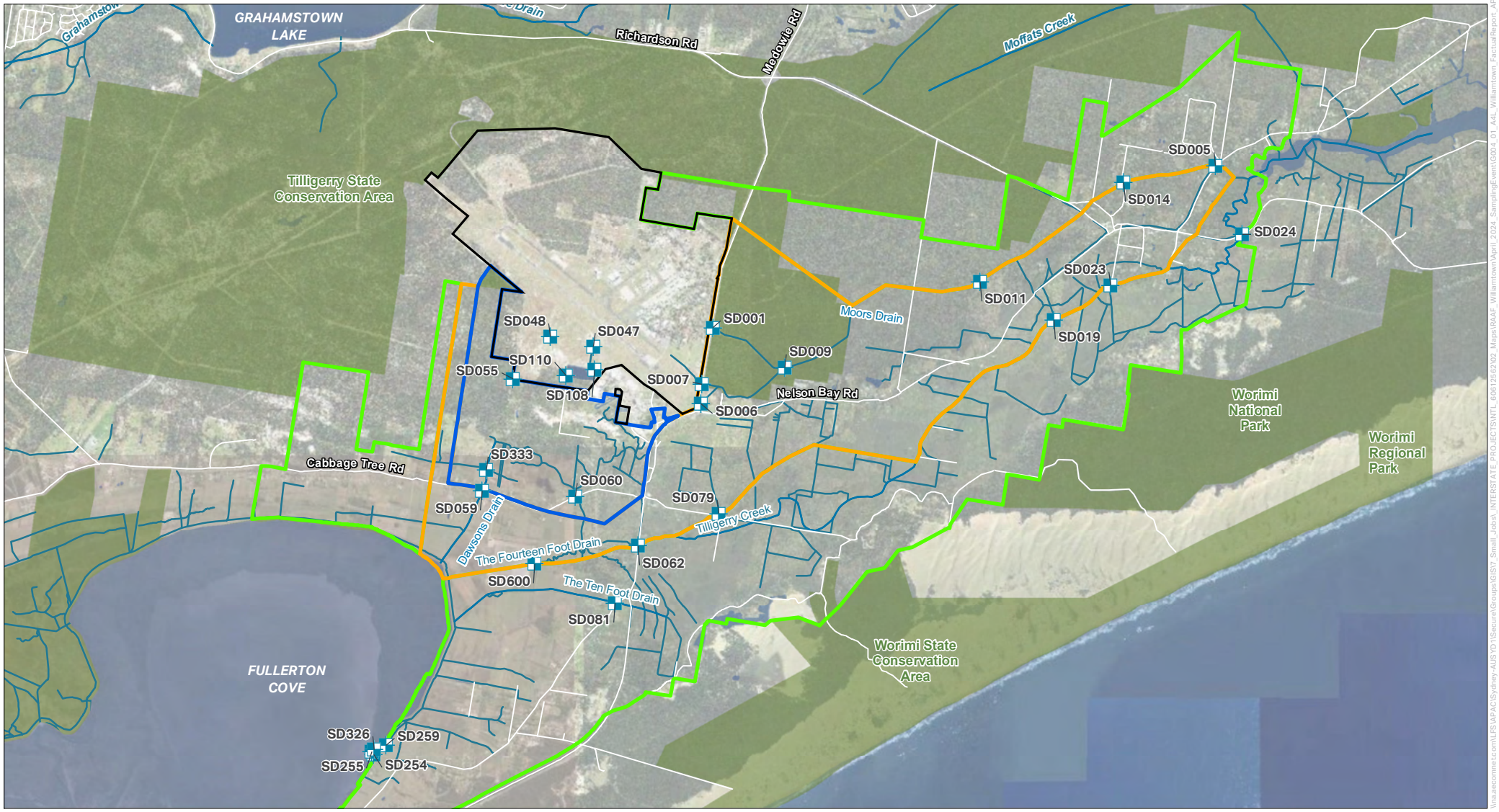

FIGURE F4: SEDIMENT SAMPLING LOCATIONS

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Sediment Location (sampled)

N

0 1 2 km

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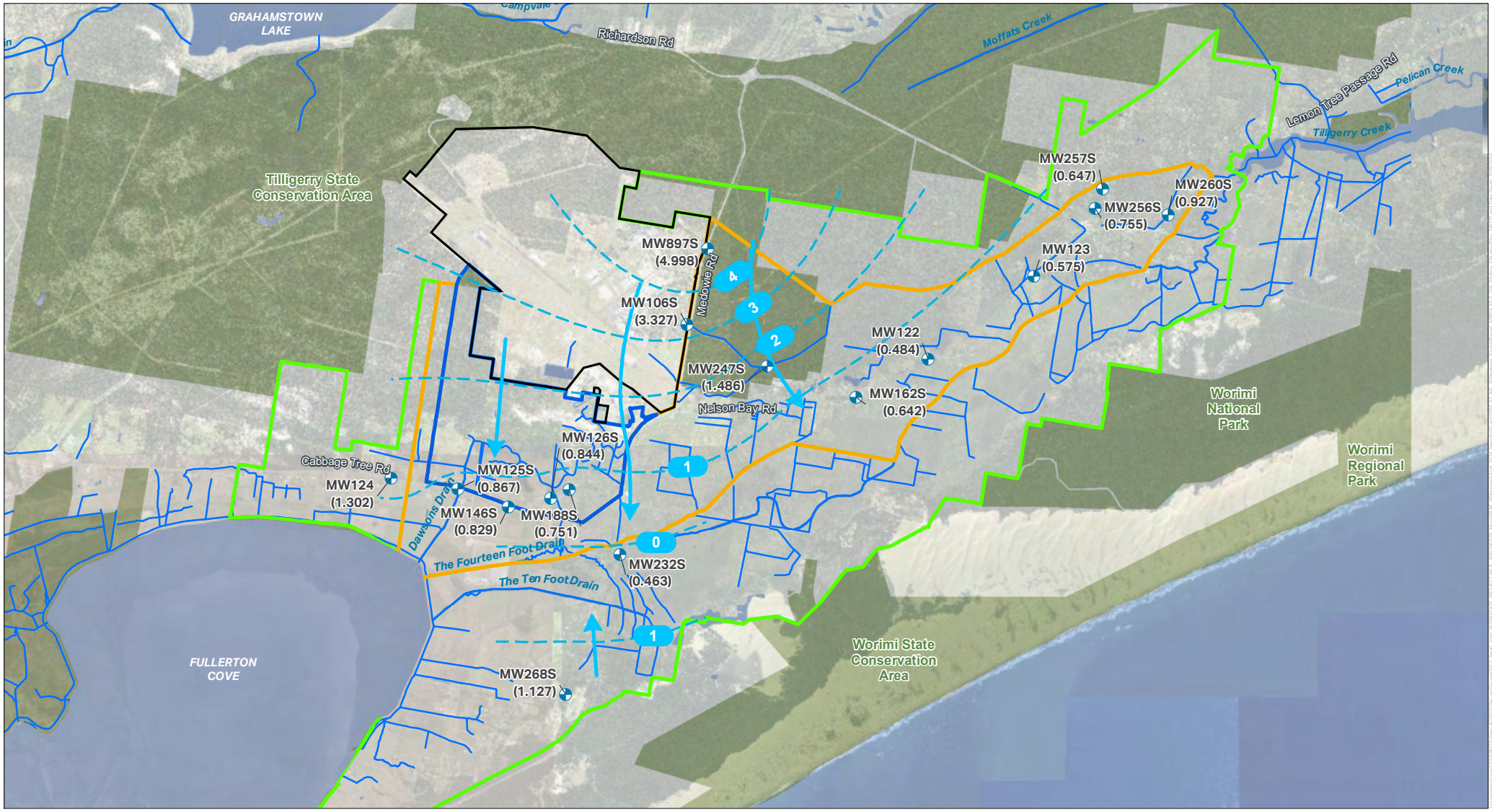

FIGURE F5-1: GROUNDWATER ELEVATION PLAN - SHALLOW

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater elevation Contour (Shallow Wells; mAHD)

N

0 0.5 1 km

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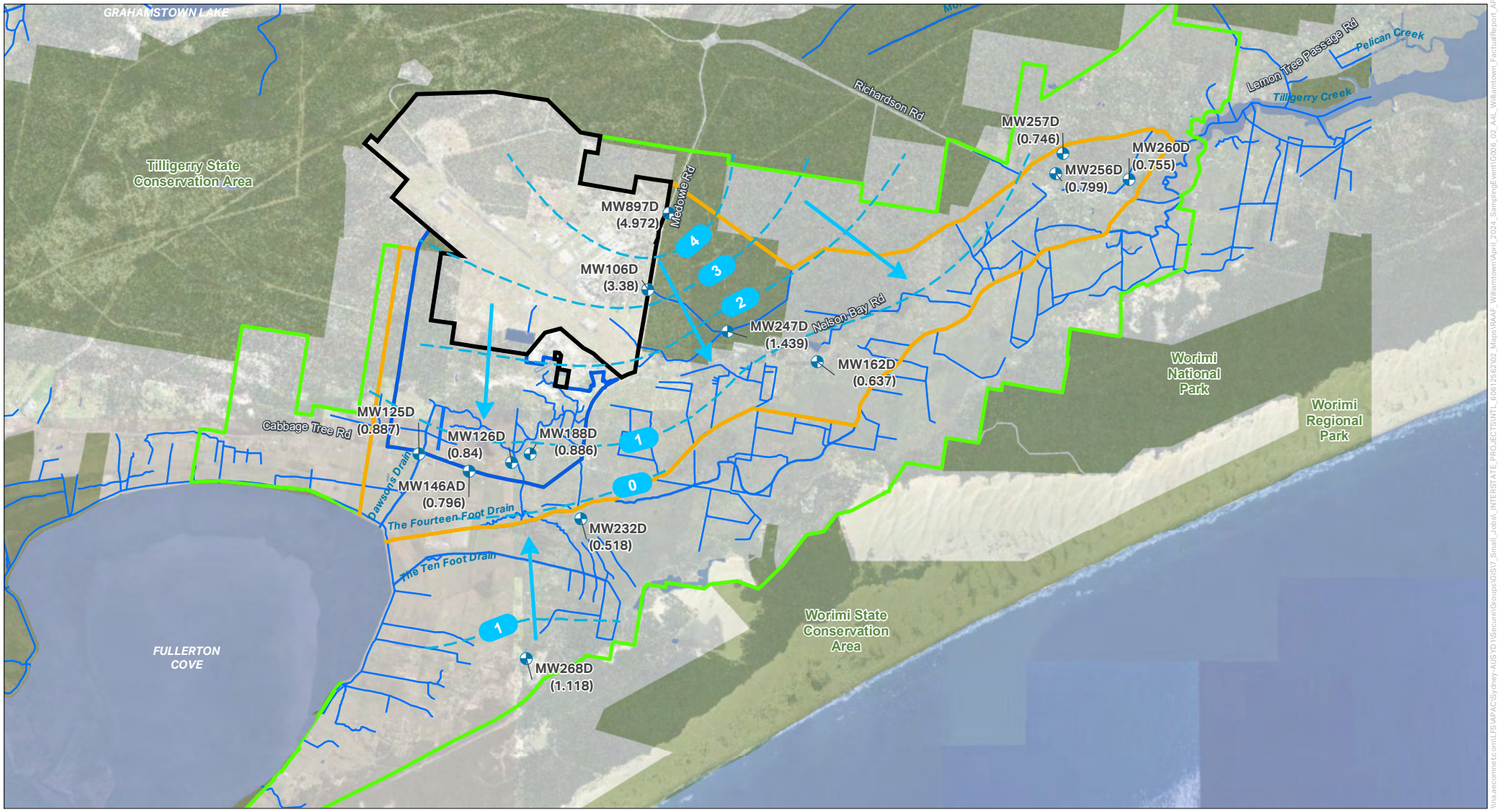

FIGURE F5-2: GROUNDWATER ELEVATION PLAN - DEEP

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contour (Deep Wells; mAHD)

N

0 0.5 1 km

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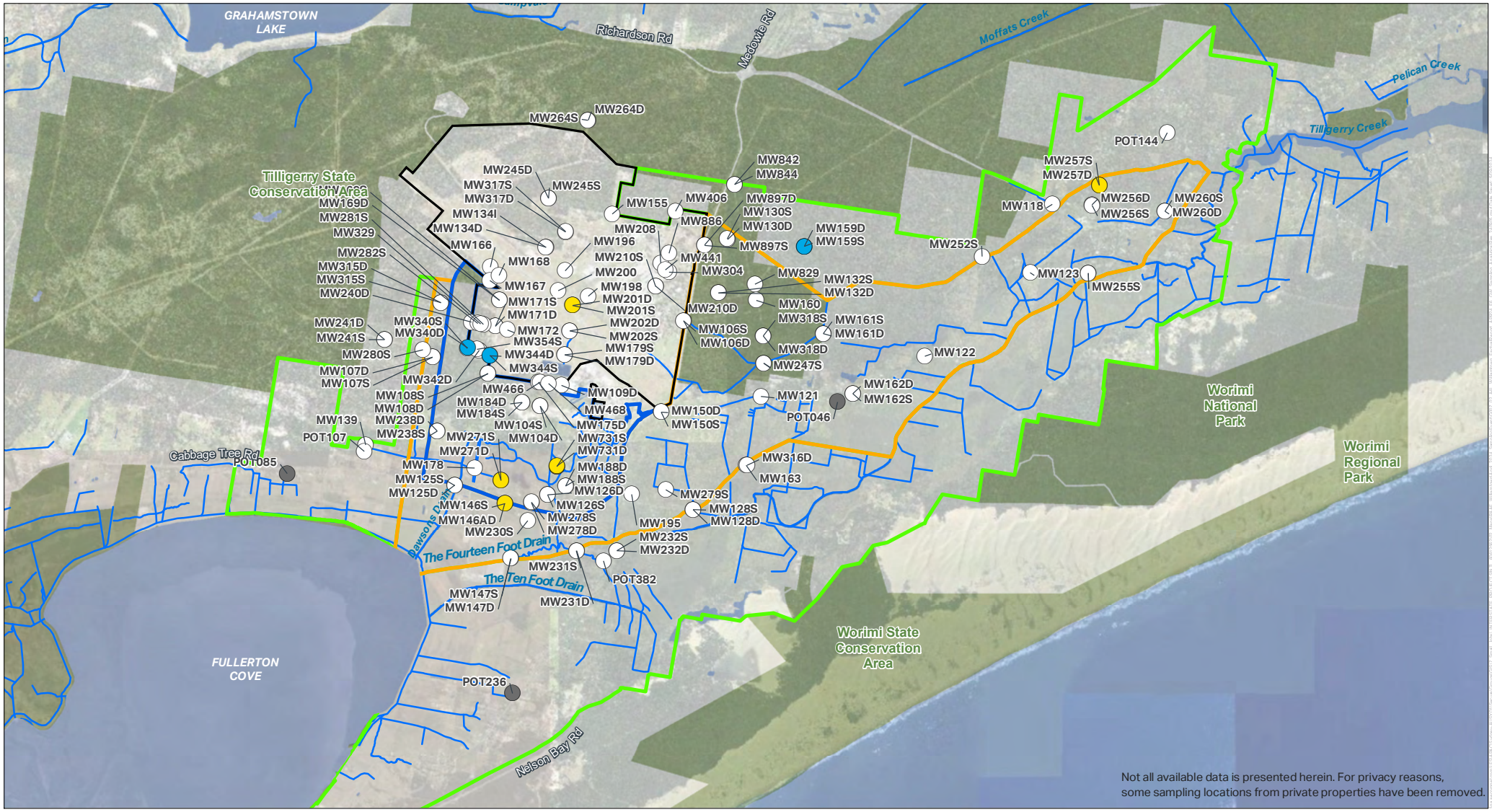

FIGURE F6: GROUNDWATER ANALYTICAL RESULTS

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- First Time Detection of Human Health and/or Ecological Screening Criteria for PFOS, PFOS + PFHx S and /or PFOA
- New Exceedence of Human Health and/or Ecological Screening Criteria for PFOS, PFOS+PFHxS and/or PFOA
- Location not accessed and/or sampled
- Sampled, no first time detection or new exceedance

N

0 0.5 1 km

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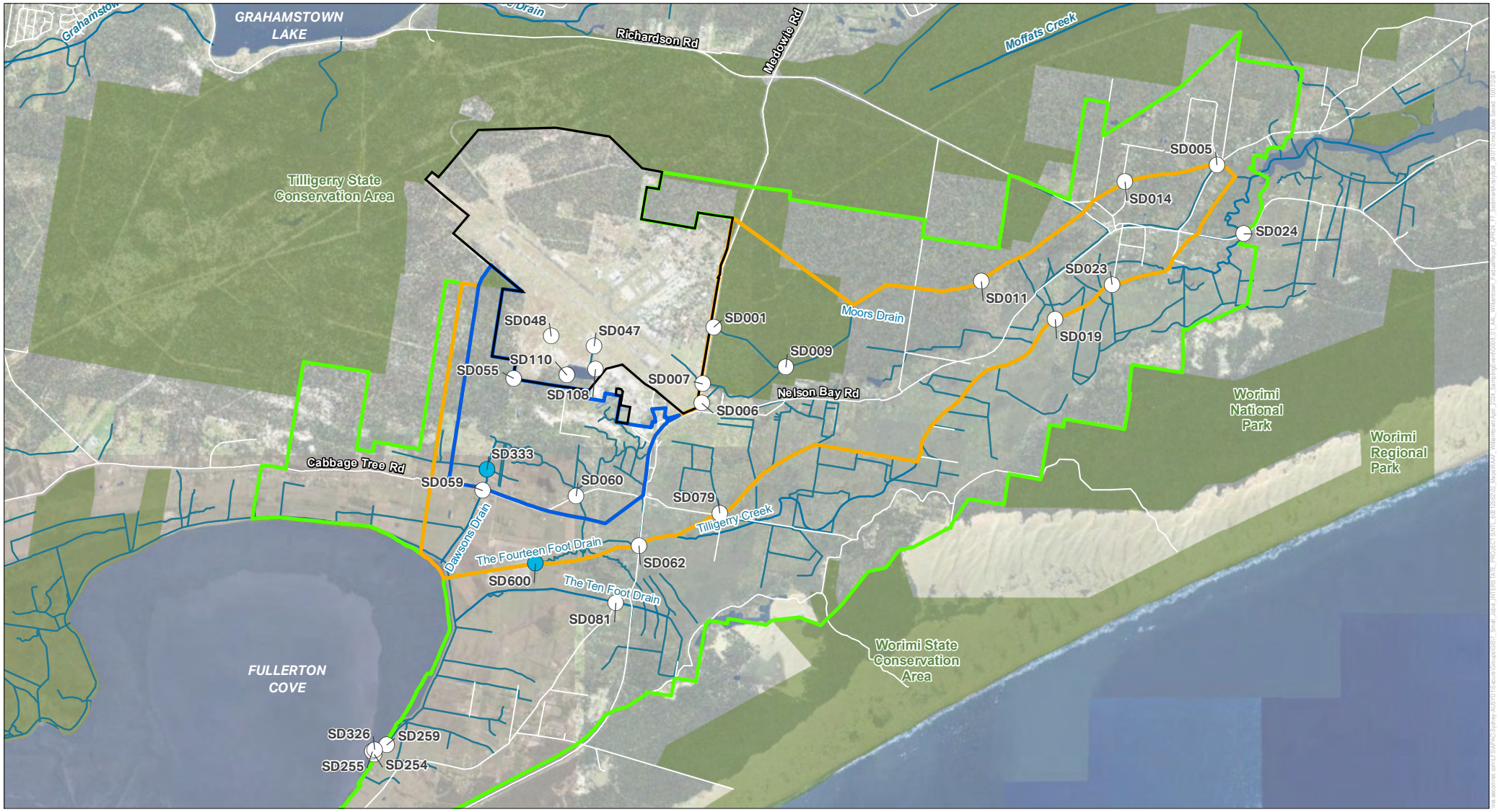

FIGURE F7: SEDIMENT ANALYTICAL RESULTS

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- New Exceedence of Human Health and/or Ecological Screening Criteria for PFOS, PFOS+PFHxS and/or PFOA
- First Time Detection of Human Health and/or Ecological Screening Criteria for PFOS, PFOS + PFHx S and /or PFOA
- Sampled, no first time detection or new exceedance

N

0 1 2 km

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Appendix B

Tables

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Visit / Gauging Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW104D	MW104_D	3.919	18.5	20	18.50	24/04/2024 10:15	1.568	2.351	20.04	Good condition.
MW104S	MW104_S	3.955	3.5	5	3.50	24/04/2024 10:24	1.605	2.350	4.64	Good condition. Ants nest over j-cap.
MW106D	MW106_D	4.77	18.5	20	18.50	19/04/2024 9:32	1.390	3.380	-	Targeted gauging round. Good condition.
MW106D	MW106_D	4.77	18.5	20	18.50	19/04/2024 9:35	1.390	3.380	18.06	Good condition.
MW106S	MW106_S	4.678	3.5	5	4.00	19/04/2024 9:22	1.351	3.327	-	Targeted gauging round. Good condition.
MW106S	MW106_S	4.678	3.5	5	4.00	19/04/2024 9:25	1.351	3.327	3.97	Good condition.
MW107D	MW107_D	3.362	18.5	20	18.50	23/04/2024 10:05	0.136	3.226	20.00	Good condition.
MW107S	MW107_S	3.322	2	5	3.00	23/04/2024 10:05	0.116	3.206	5.00	Good condition.
MW108D	MW108_D	3.08	18.5	20	18.50	17/04/2024 15:42	0.451	2.629	19.59	Good condition.
MW108S	MW108_S	2.95	2	5	3.00	17/04/2024 15:32	0.365	2.585	3.37	Good condition.
MW109D	MW109_D	3.157	18.5	20	18.00	18/04/2024 10:25	0.200	2.957	18.91	Good condition.
MW118		1.674	4.5	6	4.50	16/04/2024 16:20	0.601	1.073	5.87	Good condition.
MW121		1.589	4.5	6	4.75	16/04/2024 9:24	0.496	1.093	5.96	Good condition. Ants nest inside well.
MW122		1.851	5.5	7	6.00	16/04/2024 13:40	1.354	0.497	6.97	Good condition.
MW122		1.851	5.5	7	6.00	19/04/2024 8:23	1.367	0.484	-	Targeted gauging round. Good condition.
MW123		1.524	4.5	6	4.75	16/04/2024 14:05	0.933	0.591	5.98	Good condition.
MW123		1.524	4.5	6	4.75	19/04/2024 8:19	0.949	0.575	-	Targeted gauging round. Good condition.
MW124		2.42	6	7.5	n/a	19/04/2024 8:52	1.118	1.302	-	Targeted gauging round. Good condition.
MW125D	MW125_D	2.173	18.5	20	19.25	16/04/2024 12:41	1.266	0.907	20.22	Good condition, J-cap preventing lid to be fastened.
MW125D	MW125_D	2.173	18.5	20	19.25	19/04/2024 8:47	1.286	0.887	-	Targeted gauging round. Good condition, J-cap preventing lid to be fastened.
MW125S	MW125_S	2.197	6	7.5	6.50	16/04/2024 12:53	1.308	0.889	7.47	Good condition, J-cap preventing lid to be fastened.
MW125S	MW125_S	2.197	6	7.5	6.50	19/04/2024 8:48	1.330	0.867	-	Targeted gauging round. Good condition.
MW126D	MW126_D	1.794	18.5	20	19.50	16/04/2024 10:00	0.935	0.859	18.72	Good condition.
MW126D	MW126_D	1.794	18.5	20	19.50	19/04/2024 8:32	0.954	0.840	-	Targeted gauging round. Good condition.
MW126S	MW126_S	1.79	5.5	7	5.50	16/04/2024 10:32	0.924	0.866	6.50	Good condition.
MW126S	MW126_S	1.79	5.5	7	5.50	19/04/2024 8:32	0.946	0.844	-	Targeted gauging round. Good condition.
MW128D	MW128_D	0.843	9.3	10.3	9.50	16/04/2024 10:20	0.276	0.567	10.44	Good condition.
MW128S	MW128_S	0.909	4.7	6.2	5.00	16/04/2024 10:20	0.972	-0.063	6.10	Good condition.
MW130D	MW130_D	5.858	15	16.5	15.00	24/04/2024 9:39	1.056	4.802	16.47	Good condition.
MW130S	MW130_S	5.794	1	4	2.50	24/04/2024 9:33	1.096	4.698	3.84	Good condition.
MW132D	MW132_D	6.138	15	16.5	15.00	22/04/2024 14:07	2.860	3.278	16.50	Good condition, J-cap preventing lid to be fastened.
MW132S	MW132_S	6.082	3	6	4.00	22/04/2024 14:05	2.760	3.322	9.78	Good condition. Ants nest, rusted lugs, no bolts.
MW134D	MW134_D	8.75	18.5	20	18.75	17/04/2024 9:27	2.365	6.385	19.93	Good condition.
MW134I	MW134_I	8.71	10	11.5	10.25	17/04/2024 9:35	2.310	6.400	11.45	Good condition. Ants nest in well.
MW139		1.986	1	4	2.50	23/04/2024 11:01	0.353	1.633	3.90	Good condition.
MW146AD	MW146D_A	1.62	18.5	20	19.00	16/04/2024 11:02	0.800	0.820	20.09	Good condition. Lugs rusted.
MW146AD	MW146D_A	1.62	18.5	20	19.00	19/04/2024 8:42	0.824	0.796	-	Targeted gauging round. Good condition.
MW146S	MW146_S	1.802	0.8	3.8	2.00	16/04/2024 10:50	0.957	0.845	3.75	Good condition, J-cap preventing lid to be fastened.
MW146S	MW146_S	1.802	0.8	3.8	2.00	19/04/2024 8:40	0.973	0.829	-	Targeted gauging round. Good condition, J-cap preventing lid to be fastened.
MW147D	MW147_D	0.81	23.7	26.7	24.00	22/04/2024 13:37	0.320	0.490	26.75	Good condition.
MW147S	MW147_S	0.71	1	4	2.50	22/04/2024 13:47	0.445	0.265	4.18	Good condition.
MW150D	MW150_D	2.143	18.5	20	18.50	16/04/2024 8:49	0.681	1.462	20.26	Good condition. Well gatic full of soft bentonite around j-cap, removed prior to opening well.
MW150S	MW150_S	2.111	0.6	3.6	1.60	16/04/2024 9:04	0.596	1.515	3.61	Good condition.
MW155	MW155, MW155D	7.96	1.5	3.8	2.00	17/04/2024 12:53	1.335	6.625	3.50	Good condition.
MW155	MW155, MW155D	7.96	1.5	3.8	2.00	29/07/2024 9:10	0.808	7.152	3.54	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW155	MW155, MW155D	7.96	1.5	3.8	2.00	31/07/2024 11:52	0.821	7.139	3.550	Resampling visit in July. Good condition
MW159D	MW159_D	5.26	18.5	20	19.70	22/04/2024 14:30	2.200	3.060	21.24	Good condition.
MW159D	MW159_D	5.26	18.5	20	19.70	30/07/2024 10:40	1.354	3.906	21.25	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW159D	MW159_D	5.26	18.5	20	19.70	31/07/2024 10:36	1.367	3.893	21.250	Resampling visit in July. Good condition
MW159S	MW159_S	4.987	0.7	3.7	3.00	22/04/2024 14:50	1.942	3.045	4.47	Good condition.
MW159S	MW159_S	4.987	0.7	3.7	3.00	30/07/2024 9:50	1.093	3.894	4.46	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW159S	MW159_S	4.987	0.7	3.7	3.00	31/07/2024 10:24	1.112	3.875	4.495	Resampling visit in July. Good condition
MW160		4.212	1	4	2.50	22/04/2024 11:45	1.643	2.569	4.02	Good condition.
MW161D	MW161_D	2.057	18.8	23.3	18.80	22/04/2024 16:20	0.545	1.512	20.27	Good condition.
MW161S	MW161_S	2.052	1	4	2.50	22/04/2024 17:04	0.553	1.499	4.00	Good condition.
MW162D	MW162_D	2.876	18.6	20.1	19.25	16/04/2024 13:18	2.246	0.630	18.60	Good condition.
MW162D	MW162_D	2.876	18.6	20.1	19.25	19/04/2024 8:28	2.239	0.637	-	Targeted gauging round. Good condition.
MW162S	MW162_S	2.838	1.5	4.5	2.50	16/04/2024 13:25	2.199	0.639	4.21	Good condition.
MW162S	MW162_S	2.838	1.5	4.5	2.50	19/04/2024 8:30	2.196	0.642	-	Targeted gauging round. Good condition.
MW163		1.207	0.5	3.5	2.50	16/04/2024 11:15	1.048	0.159	4.10	Good condition.
MW166		7.1	0.8	3.8	2.50	17/04/2024 11:03	1.470	5.630	3.65	Good condition. Partially buried.
MW167		7.19	0.7	3.7	2.50	17/04/2024 11:28	2.400	4.790	4.28	Good condition. Data logger.
MW168		6.78	0.7	3.7	2.50	17/04/2024 11:14	1.525	5.255	3.42	Good condition. Lugs rusted.
MW169D	MW169_D	5.8	18	19.5	18.50	17/04/2024 11:44	1.035	4.765	19.28	Good condition. Partially buried and gatic full of water below TOC. Water drained before opening well.
MW169S	MW169_S	5.83	0.7	3.7	2.50	17/04/2024 11:38	1.050	4.780	3.68	Good condition. Partially buried.
MW171D	MW171_D	4.97	18.8	20.3	18.80	17/04/2024 14:43	0.768	4.202	20.39	Good condition.
MW171S	MW171_S	5.02	0.7	3.7	1.80	17/04/2024 14:51	0.833	4.187	3.37	Good condition.
MW172		4.88	0.7	3.7	2.50	17/04/2024 14:59	0.640	4.240	3.31	Good condition. Dirt removed, lugs rusted. Ants nest.
MW175D	MW175_D	4.11	19.5	21	20.25	17/04/2024 15:44	1.280	2.830	21.48	Good condition.
MW178		1.76	1.2	4.2	2.50	22/04/2024 14:32	0.575	1.185	4.19	Good condition.
MW179D	MW179_D	4.76	18.5	20	18.75	18/04/2024 8:32	0.945	3.815	19.49	Good condition. Partially buried, covered by temporary hessian barrier.
MW179S	MW179_S	4.71	0.8	3.8	2.50	18/04/2024 8:30	0.930	3.780	3.70	Good condition.
MW184D	MW184_D	3.073	18.5	20	18.50	24/04/2024 10:48	0.690	2.383	20.24	Good condition.

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Visit / Gauging Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW184S	MW184_S	3.106	1	4	2.00	24/04/2024 10:57	0.698	2.408	3.97	Good condition. No lid. To be replaced.
MW188D	MW188_D	1.354	18.5	20	18.50	16/04/2024 17:30	0.448	0.906	19.94	Good condition. Lugs rusted. No Hydrasleeve in well, new Hydrasleeve installed.
MW188D	MW188_D	1.354	18.5	20	18.50	18/04/2024 15:12	0.554	0.800	19.97	Good condition.
MW188D	MW188_D	1.354	18.5	20	-	19/04/2024 8:26	0.468	0.886	-	Targeted gauging round. Good condition.
MW188S	MW188_S	1.439	0.8	3.8	1.80	16/04/2024 9:32	0.702	0.737	3.77	Good condition. Lugs rusted.
MW188S	MW188_S	1.439	0.8	3.8	-	19/04/2024 8:28	0.688	0.751	-	Targeted gauging round. Good condition. Lugs rusted.
MW195		1.05	0.8	3.8	2.00	16/04/2024 12:21	0.170	0.880	3.82	Good condition.
MW196		6.76	0.8	3.8	2.50	17/04/2024 9:01	1.015	5.745	2.43	Good condition.
MW198		6.11	0.8	3.8	2.50	18/04/2024 9:12	1.185	4.925	3.79	Good condition. Good condition. No well gatic lid for safety reasons. Lid cannot be secured firmly, and well located in taxy way.
MW200		6.47	1	4	2.00	17/04/2024 8:52	1.150	5.320	3.67	Good condition.
MW201D	MW201_D	5.81	18.1	19.6	18.30	17/04/2024 8:43	0.925	4.885	11.95	Good condition. Partially buried in grass.
MW201S	MW201_S	5.8	1	4	2.00	17/04/2024 8:33	0.945	4.855	3.99	Good condition.
MW202D	MW202_D	5.17	19.5	21	19.50	18/04/2024 8:15	1.125	4.045	20.72	Good condition. Partially covered with ashphalt, which was displaced before opening well.
MW202S	MW202_S	5.21	0.8	3.8	2.50	18/04/2024 8:22	1.165	4.045	3.80	Good condition. Ants nest.
MW208		6.99	1.2	4.2	2.00	17/04/2024 10:56	2.128	4.862	-	Good condition. Well likely blocked at 3.3 mbTOC. Unable to dislodge blockage.
MW210D	MW210_D	7.35	18.5	20	18.50	17/04/2024 9:43	2.904	4.446	20.09	Good condition.
MW210S	MW210_S	7.22	2	5	2.00	17/04/2024 9:35	2.775	4.445	4.75	Good condition.
MW230S	MW230_S	0.939	2.5	4	3.00	23/04/2024 14:22	0.035	0.904	3.99	Good condition. Sedimented and gatic full of water below TOC. Water drained before opening well.
MW231D	MW231_D	0.571	16	17.5	16.00	23/04/2024 17:23	0.000	0.571	17.57	Good condition. Gatic full of water above TOC. SWL to TOC upon opening well cap. Water drained before opening well.
MW231S	MW231_S	0.625	1	4	2.50	23/04/2024 16:47	0.091	0.534	3.99	Good condition.
MW232D	MW232_D	1.324	18.5	20	-	19/04/2024 8:17	0.806	0.518	-	Targeted gauging round. Good condition.
MW232D	MW232_D	1.324	18.5	20	18.50	22/04/2024 11:38	0.600	0.724	20.02	Good condition.
MW232S	MW232_S	1.148	1	4	-	19/04/2024 8:22	0.685	0.463	-	Targeted gauging round. Good condition.
MW232S	MW232_S	1.148	1	4	2.00	22/04/2024 11:52	0.515	0.633	4.58	Good condition.
MW238D	MW238_D	2.211	18.5	20	18.50	22/04/2024 15:07	0.500	1.711	20.25	Good condition.
MW238S	MW238_S	2.27	1	4	2.50	22/04/2024 14:55	0.550	1.720	3.99	Good condition.
MW240D	MW240_D	5.742	18.5	20	18.75	17/04/2024 13:55	1.545	4.197	20.28	Good condition.
MW241D	MW241_D	5.449	18.5	20	18.75	23/04/2024 12:01	1.765	3.684	20.20	Good condition. Gatic full of water at TOC. Water drained before opening well.
MW241D	MW241_D	5.449	18.5	20	18.75	30/07/2024 12:38	0.744	4.705	20.21	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW241D	MW241_D	5.449	18.5	20	18.75	31/07/2024 9:33	0.758	4.691	20.210	Resampling visit in July. Good condition
MW241S	MW241_S	5.559	1	4	2.25	23/04/2024 12:01	1.825	3.734	3.21	Good condition.
MW241S	MW241_S	5.559	1	4	2.25	30/07/2024 12:18	0.804	4.755	3.15	Well redevelopment visit. Good condition. Hydrasleeve installed following development.
MW241S	MW241_S	5.559	1	4	2.25	31/07/2024 9:23	0.808	4.751	3.960	Resampling visit in July. Good condition
MW245D	MW245_D	9.311	18.5	20	18.50	17/04/2024 12:51	2.048	7.263	21.19	Good condition.
MW245S	MW245_S	9.292	1	4	1.50	17/04/2024 13:03	1.995	7.297	2.41	Good condition.
MW247D	MW247_D	2.529	18.5	20	19.00	19/04/2024 8:34	1.090	1.439	-	Targeted gauging round. Good condition.
MW247D	MW247_D	2.529	18.5	20	19.00	22/04/2024 15:45	0.910	1.619	20.30	Good condition.
MW247S	MW247_S	2.468	1	4	2.75	19/04/2024 8:37	0.982	1.486	-	Targeted gauging round. Good condition.
MW247S	MW247_S	2.468	1	4	2.75	22/04/2024 15:25	0.804	1.664	3.86	Good condition.
MW252S	MW252_S	1.103	1	4	2.44	24/04/2024 10:53	0.000	1.103	3.90	Good condition, Gatic full of water below TOC. SWL to TOC upon opening well cap. Water drained before opening well.
MW255D	MW255_D	1.26	18.5	20	18.76	16/04/2024 16:55	0.884	0.376	20.23	Good condition.
MW255S	MW255_S	1.258	1	4	2.47	16/04/2024 16:01	0.917	0.341	3.93	Good condition. Lugs rusted, dirt removed.
MW256D	MW256_D	1.534	18.5	20	18.50	15/04/2024 16:35	0.655	0.879	19.75	Good condition.
MW256D	MW256_D	1.534	18.5	20	18.50	19/04/2024 8:15	0.735	0.799	-	Targeted gauging round. Good condition.
MW256S	MW256_S	1.518	1	4	3.00	16/04/2024 14:35	0.725	0.793	3.98	Good condition.
MW256S	MW256_S	1.518	1	4	3.00	19/04/2024 8:14	0.763	0.755	-	Targeted gauging round. Good condition.
MW257D	MW257_D	1.819	18.5	20	18.50	16/04/2024 14:47	1.067	0.752	20.19	Good condition.
MW257D	MW257_D	1.819	18.5	20	18.50	19/04/2024 8:05	1.073	0.746	-	Targeted gauging round. Good condition.
MW257S	MW257_S	1.639	1	4	2.50	16/04/2024 14:55	0.975	0.664	3.84	Good condition.
MW257S	MW257_S	1.639	1	4	2.50	19/04/2024 8:10	0.992	0.647	-	Targeted gauging round. Good condition.
MW260D	MW260_D	2.08	18.5	20	18.75	18/04/2024 15:34	1.354	0.726	20.22	Good condition.
MW260D	MW260_D	2.08	18.5	20	18.75	19/04/2024 8:53	1.325	0.755	-	Targeted gauging round. Good condition.
MW260S	MW260_S	2.124	1	4	2.50	18/04/2024 15:49	1.195	0.929	3.86	Good condition.
MW260S	MW260_S	2.124	1	4	2.50	19/04/2024 8:57	1.197	0.927	-	Targeted gauging round. Good condition.
MW264D	MW264_D	9.347	18.5	20	18.50	23/04/2024 15:40	1.170	8.177	-	Good condition.
MW264S	MW264_S	9.492	1	4	1.70	23/04/2024 15:35	1.312	8.180	-	Good condition.
MW268D	MW268_D	3.362	18.5	20	n/a	19/04/2024 9:48	2.244	1.118	-	Targeted gauging round. Good condition.
MW268S	MW268_S	3.232	2	5	n/a	19/04/2024 9:53	2.105	1.127	-	Targeted gauging round. Good condition.
MW270D	MW270_D	1.412	18.5	20	18.50	22/04/2024 10:32	0.470	0.942	20.29	Good condition. Gatic full of water below TOC. Water drained before opening well.
MW270S	MW270_S	1.411	2	4	2.00	22/04/2024 10:43	0.370	1.041	3.81	Good condition.
MW271D	MW271_D	1.308	18.5	20	18.50	24/04/2024 14:32	0.159	1.149	20.28	Good condition.
MW271S	MW271_S	1.316	1	4	2.00	24/04/2024 14:23	0.120	1.196	4.00	Good condition.
MW278D	MW278_D	1.289	18.5	20	18.75	16/04/2024 14:15	0.426	0.863	20.22	Good condition. Partially buried.
MW278S	MW278_S	1.253	1.5	3	1.75	16/04/2024 14:31	0.415	0.838	2.99	Good condition. Bolt lugs rusted.
MW279S	MW279_S	1.295	0.8	3.8	2.50	16/04/2024 12:42	0.774	0.521	4.63	Good condition.
MW280S	MW280S_LT, MW280_S	3.831	1	4	2.50	23/04/2024 9:05	0.378	3.453	3.88	Good condition.
MW281S	MW281_S	5.29	1	4	3.00	17/04/2024 14:33	1.117	4.173	3.97	Good condition.
MW282S	MW282_S	5.37	1	4	2.50	17/04/2024 14:20	1.090	4.280	3.49	Good condition.
MW304	BH531	8.29	0.6	5.5	n/a	17/04/2024 10:00	3.769	4.521	5.41	Good condition. No Hydrasleeve in well. Well requires redevelopment based on high sediment load and water quality parameters.
MW304	BH531	8.29	0.6	5.5	3.80	18/04/2024 15:00	3.725	4.565	5.39	Good condition. No Hydrasleeve in well, new Hydrasleeve installed.
MW304	BH531	8.29	0.6	5.5	3.80	23/04/2024 9:27	3.687	4.603	5.39	Good condition. Gatic lid cover rusted.
MW315D	MW315_D/MW320D	6.16	18	20	18.75	23/04/2024 11:05	1.404	4.756	20.00	Good condition.
MW315S	MW315_S/MW320S	6.18	1	4	2.50	23/04/2024 11:05	1.404	4.776	3.98	Good condition.

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Visit / Gauging Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW316D	MW316_D/MW319D	1.2	18	20	18.00	16/04/2024 11:04	0.863	0.337	21.10	Good condition.
MW317D	MW317_D	7.96	18.5	20	18.50	17/04/2024 10:04	1.275	6.685	20.53	Good condition. Gatic full of water below TOC. Water drained before opening well.
MW317S	MW317_S	7.97	1	4	2.00	17/04/2024 9:53	1.300	6.670	4.08	Good condition. Gatic full of water below TOC. Water drained before opening well.
MW318D	MW318_D	2.63	18.5	20	18.75	22/04/2024 12:20	0.591	2.039	20.28	Good condition.
MW318S	MW318_S	2.67	1	4	2.50	22/04/2024 12:05	0.646	2.024	3.90	Good condition.
MW329		6.1215	2.4	5.39	3.39	17/04/2024 14:48	1.954	4.168	6.15	Good condition. No Hydrasleeve in well, new Hydrasleeve installed.
MW329		6.1215	2.4	5.39	3.39	18/04/2024 8:27	1.962	4.160	6.15	Good condition.
MW340D	MW340_D	4.9554	17	20	18.00	18/04/2024 10:25	1.651	3.304	21.26	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW340D	MW340_D	4.9554	17	20	18.00	18/04/2024 14:45	1.669	3.286	21.25	Good condition.
MW340S	MW340_S	4.96194	2	5	3.00	18/04/2024 10:37	1.669	3.293	5.72	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW340S	MW340_S	4.96194	2	5	3.00	18/04/2024 14:25	1.685	3.277	5.72	Good condition.
MW342D	MW342_D	4.76384	17	20	18.00	18/04/2024 9:35	1.396	3.368	21.23	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW342D	MW342_D	4.76384	17	20	18.00	18/04/2024 13:33	1.409	3.355	21.25	Good condition.
MW344D	MW344_D	4.52071	17	20	18.00	18/04/2024 8:50	0.207	4.314	19.97	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW344D	MW344_D	4.52071	17	20	18.00	18/04/2024 13:15	1.246	3.275	19.97	Good condition.
MW344S	MW344_S	4.77721	2	5	3.00	18/04/2024 9:05	1.493	3.284	5.77	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW344S	MW344_S	4.77721	2	5	3.00	18/04/2024 13:21	1.495	3.282	5.77	Good condition.
MW354S		4.99285	2	5	3.00	18/04/2024 10:15	1.620	3.373	5.88	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development
MW354S		4.99285	2	5	3.00	18/04/2024 14:10	1.650	3.343	5.86	Good condition.
MW406	W6	8.27	unknown	unknown	2.00	17/04/2024 11:29	1.778	6.492	2.98	Good condition.
MW441	W41	7.669	5	6	5.00	18/04/2024 15:01	3.060	4.609	5.33	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development.
MW441	W41	7.669	5	6	5.00	23/04/2024 9:37	3.010	4.659	5.29	Good condition.
MW466	W66	4.32	unknown	unknown	2.00	18/04/2024 10:54	1.610	2.710	3.19	Good condition.
MW468	W68	4.02	unknown	unknown	3.00	18/04/2024 10:41	1.230	2.790	4.02	Good condition.
MW731D	MW731_D	2.19	18.5	20	18.50	23/04/2024 15:40	0.937	1.253	21.10	Good condition. No Hydrasleeve in well, new Hydrasleeve installed. Bailed well to gauge water quality. Install only without development.
MW731D	MW731_D	2.19	18.5	20	18.50	9/05/2024 16:45	0.815	1.375	21.12	Good condition.
MW731S	MW731_S	2.05	2.5	5.5	n/a	24/04/2024 12:00	n/a	n/a	n/a	Well not found.
MW731S	MW731_S	2.19	2.5	5.5	4.00	1/08/2024 14:15	0.754	1.436	6.04	Hydrasleeve install visit. Good condition. No Hydrasleeve in well, new Hydrasleeve installed.
MW731S	MW731_S	2.19	2.5	5.5	4.00	2/08/2024 9:20	0.786	1.404	6.035	Sampling visit in July. Good condition
MW829	PS9_BORE 30, MW652	unknown	unknown	unknown	n/a	22/04/2024 11:15	1.868	n/a	11.97	Non-traditional well (pump station bore/sampling point). Good condition.
MW842	SK3496_D	unknown	unknown	unknown	n/a	23/04/2024 16:16	1.957	n/a	18.02	Good condition.
MW844	SK3496_S	unknown	unknown	unknown	n/a	23/04/2024 16:33	1.898	n/a	6.00	Good condition.
MW844	SK3496_S	unknown	unknown	unknown	n/a	30/07/2024 8:25	0.729	n/a	5.99	Well redevelopment visit. Good condition.
MW844	SK3496_S	unknown	unknown	unknown	n/a	31/07/2024 11:01	0.751	n/a	6.525	Resampling visit in July. Good condition
MW886	DFIG_MW02	7.91	2	5	n/a	19/04/2024 9:47	2.814	5.096	5.15	Good condition. No Hydrasleeve in well. Well requires redevelopment based on high sediment load and water quality parameters.
MW886	DFIG_MW02	7.91	2	5	3.00	23/04/2024 9:55	2.714	5.196	5.13	Good condition.
MW897D		7.34	17	20	-	19/04/2024 9:17	2.368	4.972	-	Targeted gauging round. Good condition.
MW897D		7.34	17	20	18.00	24/04/2024 9:06	2.218	5.122	21.05	Good condition.
MW897S		7.44	3	6	-	19/04/2024 9:18	2.442	4.998	-	Targeted gauging round. Good condition.
MW897S		7.44	3	6	4.00	24/04/2024 9:23	2.291	5.149	7.05	Good condition.
POT046	BWS046	n/a	n/a	n/a	n/a	24/04/2024 12:00	n/a	n/a	n/a	Bore not accessed, residential appointment not confirmed
POT085	BWS085	n/a	n/a	n/a	n/a	24/04/2024 12:00	n/a	n/a	n/a	Bore not accessed, residential appointment not confirmed
POT107	BWS107	n/a	n/a	n/a	n/a	23/04/2024 12:25	n/a	n/a	n/a	Sample collected from newly installed tap. Connected to same bore and bore pump.
POT144	BWS144	n/a	n/a	n/a	n/a	9/05/2024 16:00	n/a	n/a	n/a	Residential bore
POT236	BWS236	n/a	n/a	n/a	n/a	24/04/2024 12:00	n/a	n/a	n/a	Bore not accessed, residential appointment not confirmed
POT382		n/a	n/a	n/a	n/a	23/04/2024 16:20	n/a	n/a	n/a	Residential bore

Notes

mAHD	meters Australian Height Datum
mbgl	meters below ground level
mbTOC	meters below Top of Casing
n/a	Not applicable
-	Not measured

Table T2 - Groundwater Quality Parameters and Observations

			Water Quality Parameters					
Location Code	**Sampled/ Visit Date Time**	**Sample Comment**	**Dissolved Oxygen**	**Temperature**	**Electrical Conductivity**	**pH**	**Redox Potential Er**	**Redox Potential Eh (Corrected)**
			mg/L	°C	µS/cm	pH_Units	mV	mV
MW104D	24/04/2024 10:18	Clear, no turbidity, no odour, no sheen.	2.43	20.1	232.3	6.02	-1.1	204.7
MW104S	24/04/2024 10:27	Light brown, no turbidity, sulfurous odour, no sheen.	1.63	21.3	183.2	5.03	-2.1	203.7
MW106D	19/04/2024 9:37	Light yellow, no turbidity, sulfurous odour, no sheen	0.91	19.2	211.8	6.01	-86.1	119.7
MW106S	19/04/2024 9:28	Clear, no turbidity, no odour, no sheen.	3.32	19.9	120.8	6.35	138.9	344.7
MW107D	23/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	0.69	20.5	121.0	5.63	-32.1	173.7
MW107S	23/04/2024 10:30	Clear, no turbidity, sulfurous odour, no sheen.	0.67	21.0	113.6	5.26	-51.3	154.5
MW108D	17/04/2024 15:45	Clear, no turbidity, no odour, no sheen.	1.39	20.3	185.5	6.29	-10.9	194.9
MW108S	17/04/2024 15:35	Clear, no turbidity, no odour, no sheen.	3.00	21.1	910.0	4.71	59.4	265.2
MW109D	18/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	2.23	20.8	1,826.0	6.33	69.9	275.7
MW118	16/04/2024 16:21	Clear, no turbidity, organic odour, no sheen.	1.56	22.8	152.1	5.62	98.2	304.0
MW121	16/04/2024 9:24	Clear, no turbidity, organic odour, no sheen.	9.30	21.8	874.0	5.78	57.4	263.2
MW122	16/04/2024 13:45	Light orange, low turbidity, no odour, no sheen.	0.67	21.6	1,586.0	5.10	-62.8	143.0
MW123	16/04/2024 14:10	Light orange, medium turbidity, sulfurous odour, no sheen.	0.67	22.8	1,001.0	6.50	-131.5	74.3
MW124	19/04/2024 8:50	n/a - gauge only location	n/a	n/a	n/a	n/a	n/a	n/a
MW125D	16/04/2024 12:43	Brown, low turbidity, sulfurous odour, no sheen.	1.97	23.5	600.0	6.46	-113.0	92.8
MW125S	16/04/2024 12:54	Clear, low turbidity, no odour, no sheen.	2.28	22.8	523.0	6.23	-46.1	159.7
MW126D	16/04/2024 10:00	Light orange, low turbidity, no odour, no sheen.	1.37	26.0	280.6	6.55	-54.0	151.8
MW126S	16/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	1.18	28.6	225.3	6.55	-60.2	145.6
MW128D	16/04/2024 10:30	Clear, no turbidity, no odour, no sheen.	0.50	20.7	2,231.0	7.34	-203.2	2.6
MW128S	16/04/2024 10:35	Clear, no turbidity, no odour, no sheen.	0.78	19.6	8,565.0	7.33	-61.6	144.2
MW130D	24/04/2024 9:41	Clear, no turbidity, sulfurous odour, no sheen.	1.73	18.6	66.6	5.00	-4.1	201.7
MW130S	24/04/2024 9:37	Clear, no turbidity, sulfurous odour, no sheen.	4.59	19.5	147.5	4.47	60.8	266.6
MW132D	22/04/2024 14:10	Clear, no turbidity, no odour, no sheen.	2.86	20.6	181.9	5.37	98.4	304.2
MW132S	22/04/2024 14:11	Light brown, low turbidity, organic odour, no sheen. Dead ants and organic matter at base of Hydrasleeve.	0.45	13.6	176.6	5.58	-82.2	123.6
MW134D	17/04/2024 9:30	Clear, no turbidity, no odour, no sheen.	1.50	19.6	85.9	5.12	157.7	363.5
MW134I	17/04/2024 9:36	Light brown, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.13	19.6	142.7	4.54	63.1	268.9
MW139	23/04/2024 11:05	Light brown, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve	1.29	22.3	1,758.0	5.57	-37.7	168.1
MW146AD	16/04/2024 11:05	Clear, no turbidity, no odour, no sheen.	0.62	24.2	428.2	6.45	-67.0	138.8
MW146S	16/04/2024 10:55	Orange, low turbidity, no odour, no sheen.	1.87	25.7	461.1	6.29	46.9	252.7
MW147D	22/04/2024 13:39	Clear, medium turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	0.87	22.4	25,702.0	6.22	-	-
MW147S	22/04/2024 13:50	Clear, no turbidity, no odour, no sheen. Black staining on the Hydrasleeve.	1.08	24.1	12,512.0	6.31	-81.8	124.0
MW150D	16/04/2024 8:49	Grey, low turbidity, no odour, no sheen.	0.50	22.9	302.2	5.58	-	-
MW150S	16/04/2024 9:05	Light yellow, no turbidity, organic odour, no sheen.	0.30	21.8	771.0	6.08	-	-
MW155	17/04/2024 12:55	Light brown, no turbidity, no odour, no sheen.	1.21	22.5	1,083.0	5.35	104.4	310.2
MW155	30/07/2024 12:30	Clear, no turbidity, slight sulfurous odour, no sheen. Well redevelopment (final reading), no sample collected.	1.20	17.5	103.1	4.74	-45.8	160.0
MW155	31/07/2024 12:10	Brown, low turbidity, no odour, no sheen.	0.66	15.6	123.8	5.60	27.1	232.9
MW159D	22/04/2024 14:40	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.29	23.8	378.2	6.70	-53.2	152.6
MW159D	30/07/2024 13:08	Clear, no turbidity, no odour, no sheen. Well redevelopment (final reading), no sample collected.	0.35	18.1	242.3	6.00	-56.8	149.0
MW159D	31/07/2024 10:38	Brown, low turbidity, sulfurous odour, no sheen.	1.03	16.9	98.3	5.17	16.6	222.4
MW159S	22/04/2024 14:55	Brown, medium turbidity, no odour, no sheen.	1.07	23.6	112.5	5.44	73.5	279.3
MW159S	30/07/2024 10:43	Clear, no turbidiy, no odour, no sheen. Well revelopment (final reading), no sample collected.	0.31	17.4	340.5	6.48	-81.3	124.5
MW159S	31/07/2024 10:29	Light yellow, no turbidity, no odour, no sheen.	0.98	13.7	68.6	5.23	136.5	342.3
MW160	22/04/2024 11:55	Brown, low turbidity, sulfurous odour, no sheen.	0.55	21.9	218.6	4.85	-10.1	195.7
MW161D	22/04/2024 16:45	Clear, no turbidity, no odour, no sheen.	2.21	19.6	159.0	6.01	-0.8	205.0
MW161S	22/04/2024 17:10	Orange, low turbidity, sulfurous odour, no sheen	0.68	21.3	188.5	5.77	-81.3	124.5
MW162D	16/04/2024 13:20	Clear, no turbidity, no odour, no sheen.	1.25	20.9	913.0	5.95	-	-
MW162S	16/04/2024 13:27	Light brown, no turbidity, no odour, no sheen.	2.24	22.7	909.0	5.94	28.2	234.0
MW163	16/04/2024 11:20	Light yellow, no turbidity, organic odour, no sheen.	0.71	22.0	11,244.0	6.87	-211.0	-5.2
MW166	17/04/2024 11:05	Yellow, low turbidity, no odour, no sheen. Suspended solids.	4.23	23.9	1,030.0	6.81	-46.8	159.0
MW167	17/04/2024 11:30	Brown, medium turbidity, no odour, no sheen.	2.60	22.5	68.2	5.16	66.9	272.7
MW168	17/04/2024 11:15	Brown, high turbidity, organic odour, no sheen.	4.72	23.8	8.2	6.77	-64.9	140.9
MW169D	17/04/2024 11:45	Light yellow, low turbidity, sulfurous odour, no sheen.	1.66	21.0	94.3	6.37	-29.4	176.4
MW169S	17/04/2024 11:40	Orange, low turbidity, no odour, no sheen.	4.66	22.9	5.0	5.48	121.0	326.8
MW171D	17/04/2024 14:50	Clear, no turbidity, no odour, no sheen.	0.34	20.3	1,141.0	6.88	-156.9	48.9
MW171S	17/04/2024 14:53	Light orange, no turbidity, no odour, no sheen.	5.48	21.7	122.1	4.61	190.6	396.4
MW172	17/04/2024 15:05	Clear, no turbidity, sulfurous odour, no sheen.	1.93	21.8	103.3	5.01	6.6	212.4
MW175D	17/04/2024 15:44	Clear, no turbidity, no odour, no sheen.	2.14	22.1	865.0	6.44	-31.9	173.9
MW178	22/04/2024 14:35	Light yellow, no turbidity, no odour, no sheen	2.33	21.8	1,818.0	5.74	-42.0	163.8
MW179D	18/04/2024 8:35	Clear, no turbidity, no odour, no sheen. Black staining inside top of the Hydrasleeve.	1.32	20.1	119.0	5.94	-58.2	147.6
MW179S	18/04/2024 8:35	Brown, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.49	21.5	114.1	4.84	-22.4	183.4
MW184D	24/04/2024 10:50	Clear, no turbidity, no odour, no sheen.	2.83	20.2	232.4	5.83	32.2	238.0
MW184S	24/04/2024 11:00	Brown, no turbidity, organic odour, no sheen. Suspended solids.	1.38	20.9	188.4	5.52	52.0	257.8
MW188D	18/04/2024 15:15	Clear, no turbidity, no odour, no sheen.	1.33	20.3	259.4	6.30	-34.1	171.7
MW188S	16/04/2024 9:30	Orange, high turbidity, no odour, no sheen. Significant suspended floc.	1.82	25.8	481.5	6.48	-38.1	167.7
MW195	16/04/2024 12:25	Clear, no turbidity, no odour, no sheen.	0.70	22.2	1,965.0	6.68	-63.4	142.4
MW196	17/04/2024 9:07	Brown, low turbidity, no odour, no sheen. Suspended organics, and sediment at base of Hydrasleeve.	3.42	22.9	96.0	4.78	168.2	374.0
MW198	18/04/2024 9:15	Brown, medium turbidity, no odour, no sheen.	2.67	22.0	130.2	5.69	61.9	267.7
MW200	17/04/2024 8:55	Light brown, low turbidity, organic odour, no sheen.	1.45	22.3	54.2	4.80	42.3	248.1
MW201D	17/04/2024 8:45	Clear, no turbidity, no odour, no sheen.	1.65	19.8	133.9	5.17	49.1	254.9
MW201S	17/04/2024 8:30	Light yellow, low turbidity, no odour, no sheen.	2.72	21.3	121.3	4.99	183.8	389.6
MW202D	18/04/2024 8:15	Clear, no turbidity, no odour, no sheen.	2.46	20.3	118.1	6.63	-67.0	138.8

Table T2 - Groundwater Quality Parameters and Observations

			Water Quality Parameters					
Location Code	**Sampled/ Visit Date Time**	**Sample Comment**	**Dissolved Oxygen** mg/L	**Temperature** °C	**Electrical Conductivity** µS/cm	**pH** pH_Units	**Redox Potential Er** mV	**Redox Potential Eh (Corrected)** mV
MW202S	18/04/2024 8:25	Light brown, low turbidity, no odour, no sheen.	3.79	21.8	991.0	6.05	72.3	278.1
MW208	17/04/2024 10:59	Clear, low turbidity, no odour, no sheen. Roots at base of Hydrasleeve.	1.38	23.8	119.7	5.88	-	-
MW210D	17/04/2024 9:45	Clear, no turbidity, organic odour, no sheen.	2.57	22.3	116.9	5.53	-80.0	125.8
MW210S	17/04/2024 9:37	Brown, low turbidity, sulfurous odour, no sheen.	0.78	23.5	1,021.0	5.24	-146.9	58.9
MW230S	23/04/2024 14:27	Clear, no turbidity, no odour, no sheen. Suspended solids.	1.79	22.0	1,767.0	5.95	-19.4	186.4
MW231D	23/04/2024 17:25	Light yellow, no turbidity, no odour, no sheen.	1.22	19.2	15,473.0	6.80	-197.2	8.6
MW231S	23/04/2024 16:50	Light yellow, no turbidity, no odour, no sheen.	0.89	21.3	14,053.0	6.85	-105.0	100.8
MW232D	22/04/2024 11:40	Clear, low turbidity, no odour, no sheen.	2.14	22.0	13,972.0	7.35	-107.7	98.1
MW232S	22/04/2024 11:55	Clear, low turbidity, no odour, no sheen.	1.99	21.3	2,646.0	7.43	-112.7	93.1
MW238D	22/04/2024 15:10	Light brown, low turbidity, no odour, no sheen.	1.61	20.1	1,686.0	6.17	22.9	228.7
MW238S	22/04/2024 15:00	Light brown, low turbidity, no odour, no sheen.	4.34	21.9	1,872.0	4.49	237.3	443.1
MW240D	17/04/2024 13:56	Clear, no turbidity, sulfurous odour, no sheen.	2.02	19.9	68.3	4.97	-29.4	176.4
MW241D	23/04/2024 12:15	Yellow, no turbidity, sulfurous odour, no sheen.	0.66	29.3	15.8	5.94	-67.0	138.8
MW241D	30/07/2024 9:52	Light brown, no turbidity, no odour, no sheen. Well redevelopment (final reading), no sample collected.	0.48	14.7	84.8	4.99	-49.5	156.3
MW241D	31/07/2024 9:36	Clear, no turbidity, no odour, no sheen.	0.79	17.2	188.4	5.99	188.4	394.2
MW241S	23/04/2024 12:15	Clear, no turbidity, no odour, no sheen. Parameters not collected due to probe malfunction.	-	-	-	-	-	-
MW241S	30/07/2024 9:08	Brown, low turbidity, slight sulfurous odour, no sheen. Well revelopment (final reading), no sample collected.	1.10	18.3	76.0	4.42	-23.8	182.0
MW241S	31/07/2024 9:27	Clear, no turbidity, no odour, no sheen.	2.89	15.7	91.5	4.55	151.3	357.1
MW245D	17/04/2024 12:55	Light yellow, no turbidity, organic odour, no sheen.	3.21	20.5	110.6	5.47	-13.1	192.7
MW245S	17/04/2024 13:05	Clear, no turbidity, no odour, no sheen. Hydrasleeve not deployed/empty. Bailer used to sample.	1.67	21.5	188.3	4.37	22.0	227.8
MW247D	22/04/2024 15:50	Clear, no turbidity, no odour, no sheen.	1.01	20.3	91.5	6.13	19.9	225.7
MW247S	22/04/2024 15:30	Clear, no turbidity, sulfurous odour, no sheen.	0.86	23.6	224.2	5.27	-69.1	136.7
MW252S	24/04/2024 11:00	Brown, low turbidity, organic odour, no sheen.	1.46	24.3	229.0	6.43	43.4	249.2
MW255D	16/04/2024 16:55	Clear, no turbidity, no odour, no sheen.	1.58	20.3	2,211.0	6.68	-95.8	110.0
MW255S	16/04/2024 16:05	Orange, medium turbidity, no odour, no sheen.	4.58	23.7	357.6	6.03	39.2	245.0
MW256D	15/04/2024 16:35	Clear, no turbidity, sulfurous odour, no sheen. Suspended solids.	2.30	21.1	667.0	7.18	-102.0	103.8
MW256S	16/04/2024 14:37	Light brown, no turbidity, organic odour, no sheen.	0.64	22.6	958.0	4.51	159.9	365.7
MW257D	16/04/2024 14:50	Light yellow, medium turbidity, sulfurous odour, no sheen.	1.15	20.8	946.0	6.00	-132.1	73.7
MW257S	16/04/2024 14:57	Light brown, low turbidity, sulfurous odour, no sheen.	0.80	22.6	848.0	5.58	22.7	228.5
MW260D	18/04/2024 15:40	Clear, no turbidity, sulfurous odour, no sheen.	0.74	19.9	13,284.0	5.57	-19.2	186.6
MW260S	18/04/2024 15:50	Brown, no turbidity, organic odour, no sheen.	2.92	21.4	7,969.0	6.23	-17.3	188.5
MW264D	23/04/2024 15:45	Clear, no turbidity, no odour, no sheen.	2.03	20.4	257.3	6.31	-35.8	170.0
MW264S	23/04/2024 15:40	Brown, low turbidity, sulfurous odour, no sheen.	1.48	20.3	238.6	6.32	-36.4	169.4
MW268D	19/04/2024 9:47	n/a - gauge only location	n/a	n/a	n/a	n/a	n/a	n/a
MW268S	19/04/2024 9:52	n/a - gauge only location	n/a	n/a	n/a	n/a	n/a	n/a
MW270D	22/04/2024 10:35	Clear, no turbidity, sulfurous odour, no sheen.	1.44	21.0	1,425.0	6.59	-188.2	17.6
MW270S	22/04/2024 10:47	Light yellow, no turbidity, no odour, no sheen. Suspended solids.	2.87	21.9	1,509.0	6.46	-79.0	126.8
MW271D	24/04/2024 14:35	Yellow, low turbidity, sulfurous odour, no sheen.	0.84	18.7	1,901.0	5.97	18.2	224.0
MW271S	24/04/2024 14:25	Light yellow, low turbidity, sulfurous odour, no sheen.	2.07	19.5	1,921.0	5.64	-28.4	177.4
MW278D	16/04/2024 14:20	Brown, no turbidity, no odour, no sheen.	2.60	22.5	367.7	6.73	-176.1	29.7
MW278S	16/04/2024 14:45	Orange, low turbidity, no odour, no sheen.	0.54	23.2	217.0	6.32	-52.9	152.9
MW279S	16/04/2024 12:45	Clear, no turbidity, no odour, no sheen. Suspended solids.	0.62	20.0	1,905.0	7.05	-208.3	-2.5
MW280S	23/04/2024 9:10	Clear, no turbidity, sulfurous odour, no sheen.	1.95	18.5	164.1	4.86	-48.9	156.9
MW281S	17/04/2024 14:35	Yellow, low turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.71	21.1	8.3	5.07	-30.9	174.9
MW282S	17/04/2024 14:25	Light brown, medium turbidity, sulfurous odour, no sheen.	1.82	20.9	9.9	4.77	-24.3	181.5
MW304	17/04/2024 10:26	Orange, medium turbidity, no odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	1.86	24.9	1,088.0	5.93	-7.2	198.6
MW304	23/04/2024 9:29	Light brown, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve	1.39	23.2	1,549.0	5.95	139.9	345.7
MW315D	23/04/2024 11:20	Clear, no turbidity, no odour, no sheen.	0.63	19.3	91.9	5.58	29.5	235.3
MW315S	23/04/2024 11:20	Clear, no turbidity, no odour, no sheen.	0.91	19.7	162.1	4.93	-31.6	174.2
MW316D	16/04/2024 11:05	Light yellow, no turbidity, no odour, no sheen.	0.67	19.8	24,857.0	6.73	-112.0	93.8
MW317D	17/04/2024 10:05	Yellow, medium turbidity, no odour, no sheen. Black staining on the Hydrasleeve.	1.43	20.1	177.0	5.57	5.8	211.6
MW317S	17/04/2024 9:55	Brown, high turbidity, sulfurous odour, no sheen.	0.70	22.9	143.3	5.06	-44.5	161.3
MW318D	22/04/2024 12:30	Clear, no turbidity, no odour, no sheen.	1.09	20.2	265.7	6.06	-15.7	190.1
MW318S	22/04/2024 12:15	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.45	21.8	187.7	5.23	-52.4	153.4
MW329	18/04/2024 8:30	Brown, low turbidity, sulfurous odour, no sheen.	2.01	19.7	181.2	4.87	-56.6	149.2
MW340D	18/04/2024 14:50	Clear, no turbidity, sulfurous odour, no sheen.	3.72	20.1	114.6	6.17	29.5	235.3
MW340S	18/04/2024 10:40	Clear, no turbidity, sulfurous odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	1.07	20.2	182.1	4.32	-24.4	181.4
MW340S	18/04/2024 14:30	Light brown, no turbidity, no odour, no sheen.	1.73	21.3	189.6	4.19	9.8	215.6
MW342D	18/04/2024 9:40	Clear, no turbidity, no odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	5.41	21.1	179.5	7.02	8.9	214.7
MW342D	18/04/2024 13:35	Light yellow, no turbidity, no odour, no sheen.	1.92	20.3	176.2	6.57	37.8	243.6
MW344D	18/04/2024 8:55	Clear, no turbidity, no odour, no sheen.	3.96	20.9	204.1	6.59	-11.8	194.0
MW344D	18/04/2024 13:16	Light grey, no turbidity, organic odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	2.89	21.6	210.3	6.72	30.8	236.6
MW344S	18/04/2024 9:10	Clear, no turbidity, sulfurous odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	3.76	21.5	69.2	5.37	47.7	253.5
MW344S	18/04/2024 13:23	Light yellow, no turbidity, organic odour, no sheen.	1.09	21.3	59.1	5.47	-21.1	184.7
MW354S	18/04/2024 10:20	Clear, no turbidity, sulfurous odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	2.10	20.4	110.4	4.58	-44.3	161.5

Table T2 - Groundwater Quality Parameters and Observations

			Water Quality Parameters					
Location Code	**Sampled/ Visit Date Time**	**Sample Comment**	**Dissolved Oxygen** mg/L	**Temperature** °C	**Electrical Conductivity** µS/cm	**pH** pH_Units	**Redox Potential Er** mV	**Redox Potential Eh (Corrected)** mV
MW354S	18/04/2024 14:15	Clear, no turbidity, sulfurous odour, no sheen.	0.70	20.1	106.9	4.49	-28.1	177.7
MW406	17/04/2024 11:33	Clear, no turbidity, no odour, no sheen.	2.68	22.8	118.4	4.77	-	-
MW441	23/04/2024 9:40	Clear, no turbidity, no odour, no sheen.	4.15	22.1	470.5	5.95	137.6	343.4
MW466	18/04/2024 10:55	Light yellow, no turbidity, organic odour, no sheen. Suspended organics, and sediment at base of Hydrasleeve.	1.66	22.7	117.7	5.17	-17.9	187.9
MW468	18/04/2024 10:45	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.50	20.6	1,262.0	5.85	-97.4	108.4
MW731D	23/04/2024 15:43	Clear, no turbidity, no odour, no sheen. Parameters collected to check if re-development of the well was required prior to Hydrasleeve installation. No sample collected.	4.04	23.4	1,806.0	6.74	8.3	214.1
MW731D	9/05/2024 16:42	Clear, no turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	3.86	18.7	5.0	6.25	-73.5	132.3
MW731S	23/04/2024 15:35	n/a - monitoring well not found	n/a	n/a	n/a	n/a	n/a	n/a
MW731S	2/08/2024 9:34	Clear, no turbidity, no odour, no sheen.	3.89	16.3	271.3	5.70	117.0	322.8
MW829	22/04/2024 11:20	Clear, no turbidity, no odour, no sheen.	3.67	23.2	180.9	5.25	235.3	441.1
MW842	23/04/2024 16:19	Clear, no turbidity, no odour, no sheen.	0.30	21.8	214.7	5.45	44.7	250.5
MW844	23/04/2024 16:39	Clear, no turbidity, no odour, no sheen.	0.02	22.3	122.5	5.73	-2.8	203.0
MW844	29/07/2024 9:12	Light brown, no turbidity, slight organic odour, no sheen. Well redevelopment (final reading), no sample collected.	0.99	17.5	141.2	5.27	16.7	222.5
MW844	31/07/2024 11:38	Sulfurous odour, light brown, no turbidity, no sheen.	1.03	16.9	98.3	5.17	16.6	222.4
MW886	23/04/2024 9:58	Brown, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	1.82	23.5	178.9	5.11	242.0	447.8
MW897D	24/04/2024 9:15	Clear, no turbidity, no odour, no sheen. Sediment at base of Hydrasleeve.	1.37	19.6	1,999.0	6.83	-117.7	88.1
MW897S	24/04/2024 9:26	Brown, no turbidity, organic odour, no sheen. Sediment at base of Hydrasleeve.	0.87	21.5	363.5	5.46	159.3	365.1
POT046	24/04/2024 12:00	n/a - bore not accessed, residential appointment not confirmed.	n/a	n/a	n/a	n/a	n/a	n/a
POT085	24/04/2024 12:00	n/a - bore not accessed, residential appointment not confirmed.	n/a	n/a	n/a	n/a	n/a	n/a
POT107	23/04/2024 12:30	Light brown, no turbidity, no odour, no sheen.	2.26	23.8	1,849.0	5.73	130.8	336.6
POT144	9/05/2024 16:07	Clear, no turbidity, no odour, no sheen.	3.32	18.8	103.0	6.40	-63.7	142.1
POT236	24/04/2024 12:00	n/a - bore not accessed, residential appointment not confirmed.	n/a	n/a	n/a	n/a	n/a	n/a
POT382	23/04/2024 16:25	Clear, no turbidity, no odour, no sheen.	1.38	23.6	3,230.0	7.88	-17.9	187.9

Notes

Corrected field Redox measurement Eh = Er + 205.8

mg/L	milligrams per Litre
°C	degrees Celsius
µS/cm	microSiemens per centimetre
mV	milliVolts
n/a	not applicable
-	not measured

Table T3 - Surface Water Quality Parameters and Observations

							Water Quality Parameters					
							Dissolved Oxygen	Temperature	Electrical Conductivity	pH	Redox Potential Er	Redox Potential Eh (Corrected)
Location Code	**Alternative Name**	**Sample Date/Time**	**Location Comments**	**Sample Depth From (m)**	**Sample Depth To (m)**	**Sample Comment**	mg/L	°C	µS/cm	pH_Units	mV	mV
SW001	MD1	24/04/2024 11:40	Creek/drain. Waterbody 4 m wide, 0.4m deep. Water flow not observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	4.33	25.0	272.2	5.95	103.6	309.4
SW005	MD5	16/04/2024 15:50	Creek/drain. Waterbody 2.5 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Brown, low turbidity, sulfuric odour, biosheen.	3.44	22.8	2,539.0	6.43	44.9	250.7
SW006	MD6	24/04/2024 12:15	Creek. Waterbody 2 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, no sheen. Suspended solids.	7.20	22.4	186.8	7.15	67.3	273.1
SW007	MD7	24/04/2024 12:05	Creek. Waterbody 1.5 m wide, 0.3 m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	8.14	23.0	332.2	7.11	61.4	267.2
SW009	MD8	22/04/2024 13:00	Creek. Waterbody 4 m wide, 0.4 m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	4.71	23.2	129.3	5.92	92.6	298.4
SW011	MD10	23/04/2024 14:00	Drain. Waterbody 1 m wide, 0.1 m deep. Water flow observed.	0.00	0.10	Clear, no turbidity, no odour, no sheen.	3.22	22.8	219.4	5.07	132.6	338.4
SW014	MD14	16/04/2024 15:17	Creek/drain. Waterbody 4 m wide, 0.4 m deep. Water flow observed.	0.20	0.30	Brown, no turbidity, sulfuric odour, biosheen.	3.97	22.7	1,488.0	5.84	26.2	232.0
SW019	TC12	22/04/2024 11:21	Creek. Waterbody 6 m wide, 1 m deep. Water flow observed.	0.40	0.50	Light yellow, no turbidity, organic odour, no sheen.	2.64	21.5	1,978.0	6.60	4.4	210.2
SW023	TC6A	16/04/2024 16:35	Creek. Waterbody 4 m wide, >0.5 m deep. Water flow observed.	0.20	0.30	Light brown, low turbidity, no odour, biosheen.	6.25	22.0	2,372.0	7.46	53.8	259.6
SW024	TC7	16/04/2024 16:35	Creek. Waterbody 3 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Light brown, low turbidity, no odour, no sheen.	5.15	21.5	11,173.0	7.05	84.1	289.9
SW047	BD03	18/04/2024 9:40	Creek/drain. Waterbody 3 m wide, >0.4 m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, biosheen.	4.95	28.3	147.0	6.26	24.6	230.4
SW048	BD04	18/04/2024 11:45	Creek. Waterbody 2 m wide, 0.5 m deep. Water flow not observed.	0.20	0.30	Light brown, no turbidity, no odour, no sheen.	10.28	26.1	93.0	6.28	16.8	222.6
SW055	DD1	17/04/2024 15:27	Drain. Waterbody 2 m wide, 0.3 m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	2.90	21.0	109.6	5.92	35.8	241.6
SW059	DD2	16/04/2024 13:45	Creek/drain. Waterbody 2.5 m wide, 0.3 m deep. Water flow not observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	2.98	23.6	386.2	4.45	279.3	485.1
SW060	DD3	22/04/2024 12:35	Creek/drain. Waterbody 3 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Yellow, no turbidity, no odour, no sheen.	2.71	21.5	1,476.0	5.59	66.1	271.9
SW062	DD5	22/04/2024 12:10	Creek. Waterbody 4 m wide, 0.5 m deep. Water flow observed.	0.20	0.30	Yellow, no turbidity, no odour, no sheen.	2.37	23.1	1,915.0	6.78	-14.7	191.1
SW079	TC2	16/04/2024 9:52	Creek. Waterbody 4 m wide, 0.4 m deep. Water flow not observed.	0.10	0.20	Clear, no turbidity, no odour, biosheen.	1.44	20.3	2,963.0	6.58	30.7	236.5
SW081	TFD1	23/04/2024 13:05	Creek. Waterbody 4 m wide, 1 m deep. Water flow observed.	0.40	0.50	Light yellow, no turbidity, no odour, no sheen.	4.25	22.5	2,051.0	6.35	97.8	303.6
SW108	LC	18/04/2024 11:15	Lake Cochran. Waterbody 50 m wide, >1 m deep. Water flow not observed.	0.40	0.50	Light brown, no turbidity, no odour, no sheen.	5.74	23.3	65.2	6.53	35.7	241.5
SW110	LC_B	18/04/2024 11:30	Lake Cochran. Waterbody 50 m wide, >1 m deep. Water flow not observed.	0.40	0.50	Clear, no turbidity, no odour, no sheen.	6.43	23.6	174.9	6.29	66.9	272.7
SW259	FCD4	23/04/2024 8:22	Creek. Waterbody 7 m wide, 1 m deep. Water flow observed.	0.40	0.50	Light yellow, no turbidity, no odour, no sheen.	3.80	18.3	2,443.0	6.41	280.1	485.9
SW333		22/04/2024 15:40	Creek. Waterbody 4 m wide, 1m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, no sheen.	4.21	21.0	177.5	4.21	282.5	488.3
SW582		24/04/2024 12:45	Stormater drain (manhole). Waterbody 0.8m wide, water between 3.080 and 3.100 mbgl. Water flow observed.	3.08	3.09	Yellow/Brown, no turbidity, no odour, no sheen.	3.45	24.3	77.5	5.76	32.7	238.5
SW588		23/04/2024 10:15	Stormwater drain. Dry.			n/a - not sampled	n/a	n/a	n/a	n/a	n/a	n/a
SW600		22/04/2024 13:57	Creek. Waterbody 5 m wide, 1 m deep. Water flow observed.	0.40	0.50	Yellow/Orange, no turbidity, organic odour, biosheen.	2.64	22.2	1,985.0	7.00	-93.8	112.0

Notes
Corrected field Redox measurement Eh = Er + 205.8

mg/L	milligrams per Litre
°C	degrees Celsius
µS/cm	microSiemens per centimetre
mV	milliVolts
n/a	not applicable

Table T4 - Sediment Observations

Location Code	Alternative Name	Sampled Date Time	Sample Depth From (m)	Sample Depth To (m)	Sample Comment
SD001	MD1	24/04/2024 11:40	0.10	0.20	Silty CLAY: dark brown, low plasticity, saturated, with organic inclusions. No odour, no staining.
SD005	MD5	16/04/2024 15:38	0.10	0.20	Gravelly SAND: brown, medium to coarse grain, gravel subangular, trace silt, saturated. Sulfuric odour, no staining.
SD006	MD6	24/04/2024 12:15	0.20	0.30	Sandy CLAY: dark brown, fine grain sand, medium plasticity, saturated, with trace organic inclusions (rootlets). No odour, no staining.
SD007	MD7	24/04/2024 12:05	0.10	0.20	Sandy GRAVEL: brown, fine grain sand, coarse gravel, wet, with trace organic inclusions (rootlets). Organic odour, no staining.
SD009	MD8	22/04/2024 13:00	0.10	0.20	Clayey SAND: white with brown clay, medium grained, poorly graded, saturated, with organic inclusions (rootlets). No odour, no staining.
SD011	MD10	23/04/2024 14:00	0.10	0.20	SAND: grey, fine to medium grained, poorly graded, saturated, with trace organic inclusions (rootlets and leaves). No odour, no staining.
SD014	MD14	16/04/2024 15:25	0.10	0.20	Sandy SILT: brown, fine grain sand, low plasticity, saturated, with organic inclusions (roots and leaf litter). Sulfuric odour, no staining.
SD019	TC12	22/04/2024 11:15	0.10	0.20	Gravelly SILT: brown, fine grain with large gravels, wet, with trace organic inclusions (rootlets). No odour, no staining.
SD023	TC6A	16/04/2024 16:35	0.10	0.20	Silty CLAY: brown, low plasticity, saturated, with organic inclusions (rootlets). No odour, no sheen.
SD024	TC7	16/04/2024 16:39	0.10	0.20	Sandy SILT: brown, fine grain sand, high plasticity, with organic inclusions (roots and grass). Organic odour, no staining.
SD047	BD03	18/04/2024 9:40	0.20	0.30	Silty SAND: light grey with brown silt, medium grained, poorly graded, saturated, with organic inclusions (rootlets). No odour, no staining.
SD048	BD04	18/04/2024 11:50	0.20	0.30	Sandy SILT: brown, fine to medium grain sand, low plasticity, with organic inclusions (roots and grass). No odour, no staining.
SD055	DD1	17/04/2024 15:20	0.10	0.20	Sandy SILT: brown, fine grain sand, no plasticity, moist, with organic inclusions (roots and grass). No odour, no staining.
SD059	DD2	16/04/2024 13:45	0.10	0.20	SAND with silt: white to grey with black silts, medium-coarse grained, poorly graded, low plasticity, saturated. No odour, no staining.
SD060	DD3	22/04/2024 12:30	0.10	0.20	Silty SAND: grey to brown, fine grain sand, saturated, with trace organic inclusion (rootlets). No odour, no staining.
SD062	DD5	22/04/2024 12:18	0.10	0.20	Sandy SILT: brown, fine grain, saturated. No odour, no staining.
SD079	TC2	16/04/2024 9:48	0.10	0.20	Sandy SILT: brown, fine grain sand, low plasticity, with organic inclusions (roots and grass). Organic odour, no staining.
SD081	TFD1	23/04/2024 12:55	0.10	0.20	Gravelly SILT: brown, medium to large grain inclusions, low plasticity. No odour, no staining.
SD108	LC	18/04/2024 11:27	0.20	0.30	Sandy SILT: brown, fine grain sand, no plasticity, saturated, with organic inclusions (roots and grass). Organic odour, no staining.
SD110	LC_B	18/04/2024 11:32	0.10	0.20	Silty SAND: light grey with dark brown silt, medium grain, poorly graded, saturated, with organic inclusions. No odour, no staining.
SD254	FC1A	23/04/2024 8:40	0.10	0.20	Silty CLAY: brown, medium plasticity, with trace organic inclusions (rootlets). No odour, no staining.
SD255	FC1B	23/04/2024 8:35	0.10	0.20	SAND: grey to brown, with organic inclusions (shells and some rootlets). No odour, no staining.
SD259	FCD4	23/04/2024 8:25	0.10	0.20	Sandy SILT: brown and grey, fine grain, no plasticity, saturated. No odour, no staining.
SD326	FC1C	23/04/2024 8:45	0.20	0.30	Sandy CLAY: brown with white sand, fine grain, no plasticity, with trace inclusions (small shell fragments). No odour, no staining.
SD333		22/04/2024 15:50	0.10	0.20	Sandy CLAY: dark brown, fine grains, saturated, with trace organic matter (rootlets). No odour, no staining.
SD600		22/04/2024 14:05	0.20	0.30	Silty CLAY: dark brown, fine grain, saturated, with trace organic inclusions (rootlets). Organic odour, no staining.

Table T5 - Groundwater Analytical Results

							PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**											**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.05	0.01	0.01	0.02	0.02	0.02	0.05	0.02	0.05	0.05	0.02	0.05
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																															
MW104D	24 Apr 2024	0908_MW104D_240424	Normal	ES2413422			**0.66**	*36.4*	5.58	**42.0**	47.7	0.41	0.63	1.05	0.05	0.2	0.23	1.65	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	24 Apr 2024	0908_MW104S_240424	Normal	ES2413422			0.38	*3.65*	7.06	**10.7**	14.6	0.35	0.68	0.32	<0.02	0.2	0.31	1.31	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	19 Apr 2024	0908_MW106D_240419	Normal	ES2413427			0.06	*0.84*	1.51	**2.35**	2.95	0.08	0.11	0.07	<0.02	<0.1	0.03	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	19 Apr 2024	0908_MW106S_240419	Normal	ES2413427			0.01	*0.18*	0.10	**0.28**	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Apr 2024	0908_MW107D_240423	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Apr 2024	0908_MW107S_240423	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Apr 2024	0908_MW108D_240417	Normal	ES2413427			0.03	<0.01	1.48	**1.48**	2.03	0.10	0.17	<0.02	<0.02	<0.1	0.03	0.15	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Apr 2024	0908_MW108S_240417	Normal	ES2413427			0.01	*2.06*	0.14	**2.20**	2.24	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	18 Apr 2024	0908_MW109D_240418	Normal	ES2413427			0.01	*1.16*	0.11	**1.27**	1.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	16 Apr 2024	0908_MW118_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_MW121_240416	Normal	ES2413427			<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC101_240416	Field_D	ES2413427			<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC201_240416	Interlab_D	349756			<0.01	*0.04*	0.01	0.05	0.05	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW122	16 Apr 2024	0908_MW122_240416	Normal	ES2413427			<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	16 Apr 2024	0908_MW123_240416	Normal	ES2413427			<0.01	*0.09*	0.05	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	16 Apr 2024	0908_MW125D_240416	Normal	ES2413427			<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	16 Apr 2024	0908_MW125S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_MW126D_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC102_240416	Field_D	ES2413427			<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC202_240416	Interlab_D	349756			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126S	16 Apr 2024	0908_MW126S_240416	Normal	ES2413427			0.16	*2.57*	3.54	**6.11**	8.24	0.26	0.30	0.38	<0.02	<0.1	0.12	0.68	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC104_240416	Field_D	ES2413427			0.13	*3.25*	3.38	**6.63**	8.68	0.25	0.27	0.43	<0.02	<0.1	0.08	0.66	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC204_240416	Interlab_D	349756			0.17	*2.8*	3.4	**6.2**	8.3	0.27	0.28	0.37	<0.02	0.07	0.1	0.74	0.09	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW128D	16 Apr 2024	0908_MW128D_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	16 Apr 2024	0908_MW128S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	24 Apr 2024	0908_MW130D_240424	Normal	ES2413427			<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	24 Apr 2024	0908_QC116_240424	Field_D	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_MW130S_240424	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC114_240424	Field_D	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC214_240424	Interlab_D	349756			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	22 Apr 2024	0908_MW132D_240422	Normal	ES2413427			0.02	*0.94*	0.23	**1.17**	1.27	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	22 Apr 2024	0908_MW132S_240422	Normal	ES2413427			<0.01	*0.18*	0.05	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	17 Apr 2024	0908_MW134D_240417	Normal	ES2413427			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	17 Apr 2024	0908_MW134I_240417	Normal	ES2413427			0.03	*1.42*	0.38	**1.80**	2.00	0.02	0.04	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	23 Apr 2024	0908_MW139_240423	Normal	ES2413430			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	16 Apr 2024	0908_MW146AD_240416	Normal	ES2413427			0.04	*1.87*	0.60	**2.47**	2.73	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	16 Apr 2024	0908_MW146S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	22 Apr 2024	0908_MW147D_240422	Normal	ES2413435			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	22 Apr 2024	0908_MW147S_240422	Normal	ES2413435			<0.01	*0.05*	0.12	**0.17**	0.25	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D	16 Apr 2024	0908_MW150D_240416	Normal	ES2413427			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150S	16 Apr 2024	0908_MW150S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_MW155_240731	Normal	ES2424957			0.02	*0.55*	0.21	**0.76**	0.82	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_QC101_240731	Field_D	ES2424957			0.02	*0.56*	0.17	**0.73**	0.80	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_QC201_240731	Interlab_D	358167			0.02	*0.45*	0.19	**0.65**	0.78	<0.01	0.01	0.01	<0.02	0.02	0.03	0.02	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW159D	31 Jul 2024	0908_MW159D_240731	Normal	ES2424957			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC100_240731	Field_D	ES2424957			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC200_240731	Interlab_D	358167			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5

Table T5 - Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.05	0.01	0.01	0.02	0.02	0.02	0.05	0.02	0.05	0.05	0.02	0.05
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																															
MW159S	31 Jul 2024	0908_MW159S_240731	Normal	ES2424957			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW160	22 Apr 2024	0908_MW160_240422	Normal	ES2413427			0.03	*0.98*	0.14	**1.12**	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW161D	22 Apr 2024	0908_MW161D_240422	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW161S	22 Apr 2024	0908_MW161S_240422	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW162D	16 Apr 2024	0908_MW162D_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW162S	16 Apr 2024	0908_MW162S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW163	16 Apr 2024	0908_MW163_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW166	17 Apr 2024	0908_MW166_240417	Normal	ES2413427			0.02	*12.0*	0.21	**12.2**	12.3	<0.02	<0.02	0.03	0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW167	17 Apr 2024	0908_MW167_240417	Normal	ES2413427			0.05	*27.6*	0.50	**28.1**	28.4	<0.02	0.04	0.06	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW168	17 Apr 2024	0908_MW168_240417	Normal	ES2413427			0.26	*26.5*	2.12	**28.6**	30.5	0.08	0.09	0.20	0.16	<0.1	0.04	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW169D	17 Apr 2024	0908_MW169D_240417	Normal	ES2413427			<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW169S	17 Apr 2024	0908_MW169S_240417	Normal	ES2413427			<0.01	*0.07*	0.25	**0.32**	0.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW171D	17 Apr 2024	0908_MW171D_240417	Normal	ES2413427			0.03	*0.04*	1.48	**1.52**	3.56	0.50	0.41	<0.02	<0.02	<0.1	0.14	0.64	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW171S	17 Apr 2024	0908_MW171S_240417	Normal	ES2413427			0.04	*0.46*	0.61	**1.07**	1.43	0.03	0.04	0.21	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW172	17 Apr 2024	0908_MW172_240417	Normal	ES2413427			0.02	*0.03*	0.69	**0.72**	1.23	0.14	0.20	<0.02	<0.02	<0.1	<0.02	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW175D	17 Apr 2024	0908_MW175D_240417	Normal	ES2413427			0.10	*3.69*	1.04	**4.73**	5.66	0.07	0.10	0.06	<0.02	<0.1	0.12	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW178	22 Apr 2024	0908_MW178_240422	Normal	ES2413427			<0.01	*0.07*	0.08	**0.15**	0.21	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW179D	18 Apr 2024	0908_MW179D_240418	Normal	ES2413427			0.02	*0.19*	0.80	**0.99**	1.49	0.10	0.14	<0.02	<0.02	<0.1	0.04	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW179S	18 Apr 2024	0908_MW179S_240418	Normal	ES2413427			0.20	*3.61*	1.65	**5.26**	6.34	0.06	0.11	0.14	<0.02	<0.1	0.12	0.36	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW184D	24 Apr 2024	0908_MW184D_240424	Normal	ES2413422			0.18	*5.87*	1.56	**7.43**	8.66	0.12	0.16	0.16	<0.02	<0.1	0.06	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW184S	24 Apr 2024	0908_MW184S_240424	Normal	ES2413422			0.01	*1.82*	0.34	**2.16**	2.26	0.03	0.03	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW188D	18 Apr 2024	0908_MW188D_240418	Normal	ES2413427			0.19	*3.41*	1.88	**5.29**	7.03	0.27	0.23	0.22	<0.02	<0.1	0.09	0.50	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW188S	16 Apr 2024	0908_MW188S_240416	Normal	ES2413427			0.01	*0.14*	0.11	**0.25**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW195	16 Apr 2024	0908_MW195_240416	Normal	ES2413427			<0.01	*0.07*	0.11	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW196	17 Apr 2024	0908_MW196_240417	Normal	ES2413427			0.11	*10.9*	0.70	**11.6**	12.1	<0.02	0.03	0.10	<0.02	<0.1	0.04	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW198	18 Apr 2024	0908_MW198_240418	Normal	ES2413427			0.10	*3.32*	1.58	**4.90**	5.56	0.06	0.11	0.12	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW200	17 Apr 2024	0908_MW200_240417	Normal	ES2413427			<0.01	*0.27*	0.20	**0.47**	0.51	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW201D	17 Apr 2024	0908_MW201D_240417	Normal	ES2413427			0.05	*5.34*	0.58	**5.92**	6.23	0.02	0.04	0.11	<0.02	<0.1	0.03	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW201S	17 Apr 2024	0908_MW201S_240417	Normal	ES2413427			0.01	*0.96*	0.28	**1.24**	1.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW202D	18 Apr 2024	0908_MW202D_240418	Normal	ES2413427			0.01	*0.22*	0.33	**0.55**	0.70	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW202S	18 Apr 2024	0908_MW202S_240418	Normal	ES2413427			0.01	*0.60*	0.27	**0.87**	0.93	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW208	17 Apr 2024	0908_MW208_240417	Normal	ES2413427			0.24	*21.6*	4.80	**26.4**	28.0	0.07	0.12	0.42	<0.02	<0.1	0.17	0.32	0.09	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW210D	17 Apr 2024	0908_MW210D_240417	Normal	ES2413427			<0.01	<0.01	0.02	0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW210S	17 Apr 2024	0908_MW210S_240417	Normal	ES2413427			0.08	*14.8*	0.67	**15.5**	16.1	0.05	0.08	0.09	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW230S	23 Apr 2024	0908_MW230S_240423	Normal	ES2413424			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW231D	23 Apr 2024	0908_MW231D_240423	Normal	ES2413425			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW231S	23 Apr 2024	0908_MW231S_240423	Normal	ES2413425			<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW232D	22 Apr 2024	0908_MW232D_240422	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW232S	22 Apr 2024	0908_MW232S_240422	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW238D	22 Apr 2024	0908_MW238D_240422	Normal	ES2413429			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW238S	22 Apr 2024	0908_MW238S_240422	Normal	ES2413429			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW240D	17 Apr 2024	0908_MW240D_240417	Normal	ES2413427			<0.01	<0.01	0.10	**0.10**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW241D	31 Jul 2024	0908_MW241D_240731	Normal	ES2424957			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW241S	31 Jul 2024	0908_MW241S_240731	Normal	ES2424957			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW245D	17 Apr 2024	0908_MW245D_240417	Normal	ES2413427			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW245S	17 Apr 2024	0908_MW245S_240417	Normal	ES2413427			<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
MW247D	22 Apr 2024	0908_MW247D_240422	Normal	ES2413427			<0.01	*0.06*	0.04	**0.10**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05

Table T5 - Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.05	0.01	0.01	0.02	0.02	0.02	0.05	0.02	0.05	0.05	0.02	0.05
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																															
MW247S	22 Apr 2024	0908_MW247S_240422	Normal	ES2413427			0.01	*0.79*	0.30	**1.09**	1.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_MW252S_240424	Normal	ES2413427			<0.01	*0.60*	0.41	**1.01**	1.08	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_QC115_240424	Field_D	ES2413427			0.01	*0.63*	0.47	**1.10**	1.19	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_QC215_240424	Interlab_D	349756			0.01	*0.59*	0.45	**1.0**	1.2	0.02	0.03	0.02	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255D	16 Apr 2024	0908_MW255D_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	16 Apr 2024	0908_QC106_240416	Field_D	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	16 Apr 2024	0908_QC206_240416	Interlab_D	349756			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255S	16 Apr 2024	0908_MW255S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_MW256D_240415	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_QC100_240415	Field_D	ES2413427			<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_QC200_240415	Interlab_D	349756			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	16 Apr 2024	0908_MW256S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	16 Apr 2024	0908_MW257D_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	16 Apr 2024	0908_MW257S_240416	Normal	ES2413427			<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	18 Apr 2024	0908_MW260D_240418	Normal	ES2413427			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	18 Apr 2024	0908_MW260S_240418	Normal	ES2413427			<0.01	*0.06*	<0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	23 Apr 2024	0908_MW264D_240423	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	23 Apr 2024	0908_MW264S_240423	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	22 Apr 2024	0908_MW270D_240422	Normal	ES2413432			<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	22 Apr 2024	0908_MW270S_240422	Normal	ES2413432			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	24 Apr 2024	0908_MW271D_240424	Normal	ES2413423			<0.01	*0.03*	0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	24 Apr 2024	0908_MW271S_240424	Normal	ES2413423			<0.01	<0.01	0.13	**0.13**	0.44	0.06	0.05	<0.02	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	16 Apr 2024	0908_MW278D_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	16 Apr 2024	0908_MW278S_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	16 Apr 2024	0908_MW279S_240416	Normal	ES2413427			0.04	*0.80*	3.50	**4.30**	5.78	0.17	0.28	0.07	<0.02	<0.1	0.10	0.70	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Apr 2024	0908_MW280S_240423	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	17 Apr 2024	0908_MW281S_240417	Normal	ES2413427			**0.71**	*22.0*	4.82	**26.8**	30.5	0.27	0.39	1.15	<0.02	0.1	0.14	0.65	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	17 Apr 2024	0908_MW282S_240417	Normal	ES2413427			0.31	*0.43*	2.69	**3.12**	4.71	0.11	0.17	0.35	<0.02	<0.1	0.10	0.43	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	23 Apr 2024	0908_MW304_240423	Normal	ES2413427			0.33	*42.3*	2.10	**44.4**	46.2	0.10	0.19	0.34	<0.02	<0.1	0.16	0.46	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	23 Apr 2024	0908_MW315D_240423	Normal	ES2413427			<0.01	<0.01	0.14	**0.14**	0.29	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Apr 2024	0908_MW315S_240423	Normal	ES2413427			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	16 Apr 2024	0908_MW316D_240416	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	17 Apr 2024	0908_MW317D_240417	Normal	ES2413427			<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	17 Apr 2024	0908_MW317S_240417	Normal	ES2413427			<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	22 Apr 2024	0908_MW318D_240422	Normal	ES2413427			0.03	*0.10*	0.73	**0.83**	1.31	0.07	0.11	0.03	<0.02	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	22 Apr 2024	0908_MW318S_240422	Normal	ES2413427			<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	18 Apr 2024	0908_MW329_240418	Normal	ES2413427			**2.32**	*165*	12.7	**178**	188	0.47	0.99	3.72	<0.02	0.2	0.30	1.97	0.33	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	18 Apr 2024	0908_MW340D_240418	Normal	ES2413427			0.04	*0.25*	0.44	**0.69**	1.12	0.09	0.09	<0.02	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_MW340S_240418	Normal	ES2413427			0.01	*0.02*	0.92	**0.94**	1.12	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC109_240418	Field_D	ES2413427			<0.01	*0.02*	0.86	**0.88**	1.03	0.03	0.06	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC209_240418	Interlab_D	349756			<0.01	*0.01*	0.85	**0.86**	1.0	0.03	0.04	<0.01	<0.02	<0.02	<0.02	0.08	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW342D	18 Apr 2024	0908_MW342D_240418	Normal	ES2413427			<0.01	*0.14*	0.16	**0.30**	0.38	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC107_240418	Field_D	ES2413427			<0.01	*0.19*	0.16	**0.35**	0.47	0.02	0.03	<0.02	0.04	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC207_240418	Interlab_D	349756			<0.01	*0.14*	0.18	**0.31**	0.39	0.02	0.02	<0.01	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW344D	18 Apr 2024	0908_MW344D_240418	Normal	ES2413427			0.02	*0.25*	0.34	**0.59**	0.71	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	18 Apr 2024	0908_MW344S_240418	Normal	ES2413427			0.03	*0.51*	0.13	**0.64**	0.84	<0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.05	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	18 Apr 2024	0908_MW354S_240418	Normal	ES2413427			**4.34**	*70.9*	10.9	**81.8**	97.2	0.49	0.75	6.88	<0.02	0.2	0.38	1.99	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.05	0.01	0.01	0.02	0.02	0.02	0.05	0.02	0.05	0.05	0.02	0.05
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																															
MW406	17 Apr 2024	0908_MW406_240417	Normal	ES2413427	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	23 Apr 2024	0908_MW441_240423	Normal	ES2413427	0.02	*10.0*	0.26	**10.3**	11.2	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.67	0.17	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	18 Apr 2024	0908_MW466_240418	Normal	ES2413427	0.12	*17.7*	1.33	**19.0**	20.0	0.08	0.11	0.15	0.04	<0.1	0.08	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	18 Apr 2024	0908_MW468_240418	Normal	ES2413427	0.11	*7.23*	1.11	**8.34**	9.55	0.06	0.09	0.10	<0.02	<0.1	0.11	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.26	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	09 May 2024	0908_MW731D_240509	Normal	ES2415054	**0.58**	*14.5*	6.36	**20.9**	25.9	0.73	0.69	0.68	<0.02	0.2	0.24	1.27	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	02 Aug 2024	0908_MW731S_240802	Normal	ES2425225	**0.59**	*19.6*	5.37	**25.0**	30.1	0.49	0.58	0.58	0.02	0.3	0.36	1.36	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.19	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	0.02	<0.05
MW829	22 Apr 2024	0908_MW829_240422	Normal	ES2413427	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC110_240422	Field_D	ES2413427	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC210_240422	Interlab_D	349756	<0.01	*0.03*	0.02	0.06	0.06	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW842	23 Apr 2024	0908_MW842_240423	Normal	ES2413427	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	31 Jul 2024	0908_MW844_240731	Normal	ES2424957	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW886	23 Apr 2024	0908_MW886_240423	Normal	ES2413427	0.20	*66.2*	1.80	**68.0**	69.5	0.05	0.08	0.43	<0.02	<0.1	0.06	0.32	0.05	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_MW897D_240424	Normal	ES2413427	<0.01	*0.50*	0.08	**0.58**	0.58	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC111_240424	Field_D	ES2413427	<0.01	*0.75*	0.07	**0.82**	0.85	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC211_240424	Interlab_D	349756	<0.01	*0.55*	0.09	**0.63**	0.65	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW897S	24 Apr 2024	0908_MW897S_240424	Normal	ES2413427	<0.01	*0.22*	0.04	**0.26**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC113_240424	Field_D	ES2413427	<0.01	*0.26*	0.04	**0.30**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC213_240424	Interlab_D	349756	<0.01	*0.20*	0.03	**0.23**	0.27	0.02	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
POT107	23 Apr 2024	0908_POT107_240423	Normal	ES2413430	0.01	*0.02*	0.01	0.03	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	09 May 2024	0908_POT144_240509	Normal	ES2415053	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	23 Apr 2024	0908_POT382_240423	Normal	ES2413425	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample
	Denotes first-time detection above LOR
	Denotes new exceedence of human health and/or ecological screening criteria

Table T6 - Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																														
SW001	24 Apr 2024	0908_SW001_240424	Normal	ES2413562		0.04	*2.50*	0.49	**2.99**	3.32	0.03	0.04	0.04	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	16 Apr 2024	0908_QC103_240416	Field_D	ES2413562		0.01	*0.80*	0.16	0.96	1.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	16 Apr 2024	0908_QC203_240416	Interlab_D	349756		0.02	*0.86*	0.21	1.1	1.2	0.01	0.01	0.02	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	16 Apr 2024	0908_SW005_240416	Normal	ES2413562		0.01	*0.66*	0.16	0.82	0.87	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	24 Apr 2024	0908_SW006_240424	Normal	ES2413562		<0.01	*0.81*	0.32	1.13	1.26	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	24 Apr 2024	0908_SW007_240424	Normal	ES2413562		0.16	*13.0*	1.57	**14.6**	16.0	0.05	0.11	0.21	<0.02	<0.1	0.16	0.58	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	22 Apr 2024	0908_QC112_240422	Field_D	ES2413562		0.03	*1.42*	0.36	1.78	1.96	<0.02	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	22 Apr 2024	0908_QC212_240422	Interlab_D	349756		0.04	*1.5*	0.44	1.9	2.2	0.02	0.03	0.04	<0.02	<0.02	0.03	0.10	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	22 Apr 2024	0908_SW009_240422	Normal	ES2413562		0.03	*1.53*	0.39	1.92	2.12	<0.02	0.03	0.04	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	23 Apr 2024	0908_SW011_240423	Normal	ES2413562		0.01	*0.80*	0.60	1.40	1.52	0.02	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	16 Apr 2024	0908_SW014_240416	Normal	ES2413562		0.02	*1.23*	0.32	1.55	1.75	<0.02	0.03	0.03	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	22 Apr 2024	0908_SW019_240422	Normal	ES2413431		<0.01	*0.13*	0.15	0.28	0.30	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	16 Apr 2024	0908_SW023_240416	Normal	ES2413562		<0.01	*0.05*	0.08	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	16 Apr 2024	0908_SW024_240416	Normal	ES2413562		<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	18 Apr 2024	0908_SW047_240418	Normal	ES2413562		0.07	*4.54*	1.08	**5.62**	6.22	0.05	0.09	0.07	<0.02	<0.1	0.08	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	18 Apr 2024	0908_SW048_240418	Normal	ES2413562		0.05	*0.56*	0.57	1.13	1.41	0.03	0.05	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	17 Apr 2024	0908_SW055_240417	Normal	ES2413562		0.04	*0.56*	0.65	1.21	1.53	0.04	0.07	0.04	<0.02	<0.1	<0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 Apr 2024	0908_SW059_240416	Normal	ES2413562		0.06	*0.91*	1.59	**2.50**	3.52	0.18	0.28	0.09	<0.02	<0.1	0.04	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Apr 2024	0908_SW060_240422	Normal	ES2413562		0.49	*9.73*	10.4	**20.1**	28.0	1.19	1.85	0.62	<0.02	0.4	0.44	2.15	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	22 Apr 2024	0908_SW062_240422	Normal	ES2413562		0.03	*0.82*	0.72	1.54	2.02	0.07	0.10	0.04	<0.02	<0.1	0.06	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 Apr 2024	0908_SW079_240416	Normal	ES2413562		0.01	*0.23*	0.51	0.74	0.96	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	23 Apr 2024	0908_SW081_240423	Normal	ES2413562		<0.01	*0.05*	0.11	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	18 Apr 2024	0908_SW108_240418	Normal	ES2413562		0.05	*3.12*	0.67	**3.79**	4.20	0.03	0.05	0.04	<0.02	<0.1	0.06	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	18 Apr 2024	0908_SW110_240418	Normal	ES2413562		0.05	*2.74*	0.59	**3.33**	3.69	0.02	0.04	0.03	<0.02	<0.1	0.06	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2024	0908_SW259_240423	Normal	ES2413433		0.02	*0.39*	0.49	0.88	1.17	0.06	0.07	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	22 Apr 2024	0908_SW333_240422	Normal	ES2413434		0.04	*0.37*	1.10	1.47	2.17	0.12	0.18	0.06	<0.02	<0.1	0.03	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	24 Apr 2024	0908_SW582_240424	Normal	ES2413562		0.06	*3.78*	0.64	**4.42**	4.80	0.03	0.05	0.05	<0.02	<0.1	0.03	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	22 Apr 2024	0908_SW600_240422	Normal	ES2413435		0.06	*1.30*	1.35	**2.65**	3.63	0.16	0.22	0.08	<0.02	<0.1	0.06	0.30	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample
	Denotes first-time detection above LOR
	Denotes new exceedence of human health and/or ecological screening criteria

Table T7 - Sediment Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides							
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																													
SD001	24 Apr 2024	0908_SD001_240424	Normal	ES2413562	0.0006	0.176	0.0239	0.200	0.215	0.0012	0.0020	0.0025	<0.0002	<0.001	0.0016	0.0021	0.0017	<0.0002	<0.0002	<0.0002	0.0009	<0.0002	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	0.0015	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	16 Apr 2024	0908_QC205_240416	Interlab_D	349756	<0.0004	0.0097	0.0006	0.01	0.01	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD005	16 Apr 2024	0908_SD005_240416	Normal	ES2413562	0.0002	0.0069	0.0003	0.0072	0.0074	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	16 Apr 2024	0908_QC105_240416	Field_D	ES2413562	<0.0002	0.0081	0.0004	0.0085	0.0087	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	24 Apr 2024	0908_SD006_240424	Normal	ES2413562	0.0007	0.391	0.0123	0.403	0.417	<0.0002	0.0003	0.0010	<0.0002	0.003	0.0026	0.0011	0.0005	0.0003	0.0006	0.0004	0.0023	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	24 Apr 2024	0908_SD007_240424	Normal	ES2413562	<0.0002	0.0101	0.0006	0.0107	0.0107	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	22 Apr 2024	0908_SD009_240422	Normal	ES2413562	0.0002	0.0179	0.0048	0.0227	0.0254	<0.0002	<0.0002	0.0004	0.0012	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	23 Apr 2024	0908_SD011_240423	Normal	ES2413562	<0.0002	0.0082	0.0008	0.0090	0.0090	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	16 Apr 2024	0908_SD014_240416	Normal	ES2413562	<0.0002	0.0554	0.0031	0.0585	0.0790	<0.0002	0.0003	0.0003	0.0035	<0.001	<0.0002	<0.0002	0.0006	<0.0002	0.0116	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0039	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	22 Apr 2024	0908_SD019_240422	Normal	ES2413431	<0.0002	0.0053	<0.0002	0.0053	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC208_240416	Interlab_D	349756	<0.0004	0.025	0.0014	0.027	0.027	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD023	16 Apr 2024	0908_SD023_240416	Normal	ES2413562	<0.0002	0.0269	0.0021	0.0290	0.0290	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC108_240416	Field_D	ES2413562	<0.0002	0.0249	0.0017	0.0266	0.0268	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	16 Apr 2024	0908_SD024_240416	Normal	ES2413562	0.0052	0.0627	0.0030	0.0657	0.0798	<0.0002	<0.0002	0.0006	<0.0002	<0.001	0.0018	0.0040	0.0016	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	18 Apr 2024	0908_SD047_240418	Normal	ES2413562	<0.0002	0.0497	0.0028	0.0525	0.0532	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	18 Apr 2024	0908_SD048_240418	Normal	ES2413562	<0.0002	0.0056	0.0010	0.0066	0.0066	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	17 Apr 2024	0908_SD055_240417	Normal	ES2413562	<0.0002	0.0071	0.0015	0.0086	0.0091	<0.0002	<0.0002	0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 Apr 2024	0908_SD059_240416	Normal	ES2413562	<0.0002	0.0130	0.0026	0.0156	0.0164	<0.0002	<0.0002	<0.0002	0.0008	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	22 Apr 2024	0908_SD060_240422	Normal	ES2413562	0.0012	0.0404	0.0172	0.0576	0.0684	0.0017	0.0020	0.0028	<0.0002	<0.001	0.0004	0.0023	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	22 Apr 2024	0908_SD062_240422	Normal	ES2413562	<0.0002	0.0096	0.0003	0.0099	0.0099	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	16 Apr 2024	0908_SD079_240416	Normal	ES2413562	<0.0002	0.0157	0.0025	0.0182	0.0186	<0.0002	0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	23 Apr 2024	0908_SD081_240423	Normal	ES2413562	<0.0002	0.0021	<0.0002	0.0021	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	18 Apr 2024	0908_SD108_240418	Normal	ES2413562	0.0012	0.271	0.0188	0.290	0.328	<0.0002	0.0008	0.0019	0.0067	<0.001	0.0013	0.0010	0.0004	0.0002	<0.0002	<0.0002	0.0008	<0.0002	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	0.0231	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	18 Apr 2024	0908_SD110_240418	Normal	ES2413562	<0.0002	0.0575	0.0044	0.0619	0.0973	0.0002	0.0003	0.0002	0.0010	<0.001	0.0004	0.0005	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0326	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	23 Apr 2024	0908_SD254_240423	Normal	ES2413433	0.0005	0.0229	0.0018	0.0247	0.0258	<0.0002	<0.0002	0.0002	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	23 Apr 2024	0908_SD255_240423	Normal	ES2413433	<0.0002	0.0109	<0.0002	0.0109	0.0109	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	23 Apr 2024	0908_SD259_240423	Normal	ES2413433	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	23 Apr 2024	0908_SD326_240423	Normal	ES2413433	<0.0002	0.0127	0.0004	0.0131	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD333	22 Apr 2024	0908_SD333_240422	Normal	ES2413434	0.0012	0.123	0.0248	0.148	0.181	0.0006	0.0017	0.0027	0.0219	<0.001	0.0007	0.0019	0.0007	<0.0002	<0.0002	<0.0002	0.0004	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	22 Apr 2024	0908_SD600_240422	Normal	ES2413435	0.0003	0.0142	0.0026	0.0168	0.0186	<0.0002	0.0002	0.0003	<0.0002	<0.001	0.0002	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample
	Denotes first-time detection above LOR

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW104D	11 Nov 2014	MW104_D_11112014	Normal	NSW_0908_PFAS	**2.6**	*70*	20	**90**	-	2.3	-	-	<0.01	-	1.2	5.6	0.94	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	NSW_0908_PFAS	**4.75**	*103*	33.8	**136.8**	167	4.5	4.13	3.78	<0.02	1.3	1.37	9.02	1.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	NSW_0908_PFAS	-	-	-	**137**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	NSW_0908_PFAS	**2.3**	*101*	17.6	**118.6**	134	1.62	1.93	3.44	<0.02	0.5	0.67	4.7	0.79	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	NSW_0908_PFAS	-	-	-	**119**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104D	27 May 2020	0908_MW104D_200527	Normal	NSW_0908_PFASOMP	**1.44**	*58.8*	13.7	**72.5**	84.2	1.21	1.72	2.1	0.06	0.4	0.53	3.72	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	13 May 2021	0908_MW104D_210513	Normal	NSW_0908_PFASOMP	**0.84**	*31.2*	7.97	**39.2**	46	0.68	0.99	1.21	<0.02	0.1	0.38	2.32	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	17 May 2022	0908_MW104D_220517	Normal	NSW_0908_PFASOMP	**0.88**	*44.3*	8	**52.3**	59.6	0.6	0.97	1.1	0.04	0.3	0.47	2.48	0.45	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	17 May 2023	0908_MW104D_230517	Normal	NSW_0908_PFASOMP_23	0.56	*37.3*	4.96	**42.3**	46.3	0.28	0.43	0.88	0.03	0.2	0.24	1.22	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	24 Apr 2024	0908_MW104D_240424	Normal	NSW_0908_PFASOMP_24	**0.66**	*36.4*	5.58	**42**	47.7	0.41	0.63	1.05	0.05	0.2	0.23	1.65	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	11 Nov 2014	MW104_S_11112014	Normal	NSW_0908_PFAS	0.02	*0.51*	0.6	**1.11**	-	0.07	-	-	<0.01	-	<0.01	0.1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104S	11 Nov 2014	QC106_GW_11112014	Field_D	NSW_0908_PFAS	0.06	*0.94*	1.3	**2.24**	-	0.11	-	-	<0.01	-	<0.01	0.22	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	NSW_0908_PFAS	0.47	*6.66*	5.26	**11.9**	15.2	0.62	0.57	0.45	<0.02	<0.1	0.15	0.88	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	NSW_0908_PFAS	-	-	-	**11.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	NSW_0908_PFAS	0.32	*19.6*	2.71	**22.3**	24.6	0.21	0.29	0.35	<0.02	<0.1	0.17	0.87	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	NSW_0908_PFAS	-	-	-	**22.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104S	27 May 2020	0908_MW104S_200527	Normal	NSW_0908_PFASOMP	0.35	*25.6*	3.51	**29.1**	32	0.24	0.35	0.44	<0.02	0.1	0.2	1.05	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	13 May 2021	0908_MW104S_210513	Normal	NSW_0908_PFASOMP	0.19	*6.43*	2.14	**8.57**	10	0.18	0.24	0.2	<0.02	<0.1	0.09	0.47	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	17 May 2022	0908_MW104S_220517	Normal	NSW_0908_PFASOMP	0.07	*4.76*	0.85	**5.61**	6.09	0.06	0.09	0.07	<0.02	<0.1	0.02	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	17 May 2023	0908_MW104S_230517	Normal	NSW_0908_PFASOMP_23	0.04	*2.25*	0.92	**3.17**	3.6	0.06	0.09	0.04	<0.02	<0.1	0.04	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	24 Apr 2024	0908_MW104S_240424	Normal	NSW_0908_PFASOMP_24	0.38	*3.65*	7.06	**10.7**	14.6	0.35	0.68	0.32	<0.02	0.2	0.31	1.31	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	10 Nov 2014	MW106D_10112014	Normal	NSW_0908_PFAS	<0.01	*0.14*	2.1	**2.24**	-	0.18	-	-	<0.01	-	<0.01	0.49	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106D	19 Jan 2016	MW106D_19012016	Normal	NSW_0908_PFAS	**0.66**	<0.01	3.89	**3.89**	-	0.21	-	-	<0.02	-	-	0.48	0.07	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW106D	25 Aug 2016	MW106D_250816	Normal	NSW_0908_PFAS	0.14	*0.77*	1.2	**1.97**	-	0.03	-	-	<0.01	<0.05	0.01	0.18	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106D	17 Oct 2016	MW106D_171016	Normal	NSW_0908_PFAS	0.1	*0.36*	0.84	**1.2**	-	0.04	-	-	<0.01	<0.05	0.02	0.14	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	19 Jan 2017	MW106D_1901117	Normal	NSW_0908_PFAS	0.13	*0.82*	0.75	**1.57**	-	0.03	-	-	<0.01	<0.05	0.01	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	19 Jan 2017	MW106D_190117	Normal	ACTNSW_Hist_202012-3	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	20 Jan 2017	MW106D_GW_170120	Normal	NSW_0908_PFAS	0.16	*0.7*	1.8	**2.5**	3.19	0.05	0.05	0.3	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	09 May 2017	MW106D_090517	Normal	ACTNSW_Hist_202012-3	0.22	*0.65*	1.1	**1.75**	-	0.04	0.04	0.37	<0.01	<0.05	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05
MW106D	03 Apr 2018	MW106D_GW_03042018	Normal	NSW_0908_PFAS	0.02	*0.1*	0.41	**0.51**	0.58	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	21 Nov 2018	0908_MW106D_181121	Normal	NSW_0908_PFAS	0.05	*1.3*	0.74	**2.04**	2.54	0.05	0.04	0.26	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	28 May 2019	0908_MW106D_190528	Normal	NSW_0908_PFAS	0.02	*0.24*	0.34	**0.58**	0.63	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	04 Nov 2019	0908_MW106D_191104	Normal	NSW_0908_PFASOMP	0.08	*2.22*	1.35	**3.57**	4.28	0.04	0.03	0.45	<0.02	<0.1	<0.02	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	19 May 2020	0908_MW106D_200519	Normal	NSW_0908_PFASOMP	0.02	*0.49*	0.31	**0.8**	0.93	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	17 Nov 2020	0908_MW106_D_201117	Normal	NSW_0908_PFASOMP	0.05	*1.93*	0.42	**2.35**	2.8	<0.02	<0.02	0.36	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	14 May 2021	0908_MW106D_210514	Normal	NSW_0908_PFASOMP	0.03	*1.23*	0.77	**2**	2.6	0.11	0.08	0.09	<0.02	<0.1	0.04	0.23	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 Nov 2021	0908_MW106D_211108	Normal	NSW_0908_PFASOMP	0.02	*0.22*	0.3	**0.52**	0.6	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	24 May 2022	0908_MW106D_220524	Normal	NSW_0908_PFASOMP	0.14	*1.64*	2.57	**4.21**	5.62	0.23	0.24	0.2	<0.02	<0.1	0.07	0.46	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 Nov 2022	0908_MW106D_221108	Normal	NSW_0908_PFASOMP	0.03	*0.48*	0.78	**1.26**	1.52	0.05	0.05	0.03	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 May 2023	0908_MW106D_230508	Normal	NSW_0908_PFASOMP_23	0.08	*1.21*	1.52	**2.73**	3.54	0.14	0.12	0.1	<0.02	<0.1	0.06	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	23 Nov 2023	0908_MW106D_231123	Normal	NSW_0908_PFASOMP_23	0.03	*0.39*	0.62	**1.01**	1.23	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	19 Apr 2024	0908_MW106D_240419	Normal	NSW_0908_PFASOMP_24	0.06	*0.84*	1.51	**2.35**	2.95	0.08	0.11	0.07	<0.02	<0.1	0.03	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	10 Nov 2014	MW106S_10112014	Normal	NSW_0908_PFAS	<0.01	*0.08*	0.27	**0.35**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106S	19 Jan 2016	MW106S_19012016	Normal	NSW_0908_PFAS	0.02	*0.06*	0.27	**0.33**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW106S	25 Aug 2016	MW106S_250816	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.08	**0.12**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106S	17 Oct 2016	MW106S_171016	Normal	NSW_0908_PFAS	<0.01	*0.08*	0.17	**0.25**	-	0.01	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	MW106S_1901117	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.13	**0.17**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	MW106S_190117	Normal	ACTNSW_Hist_202012-3	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	QC115_190117	Field_D	ACTNSW_Hist_202012-3	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	20 Jan 2017	MW106S_GW_170120	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.67	**0.71**	0.71	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	09 May 2017	MW106S_090517	Normal	ACTNSW_Hist_202012-3	0.02	*0.07*	0.3	**0.37**	-	0.01	0.02	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.01	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05
MW106S	03 Apr 2018	MW106S_GW_03042018	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.2	**0.24**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	21 Nov 2018	0908_MW106S_181121	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.14	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	28 May 2019	0908_MW106S_190528	Normal	NSW_0908_PFAS	<0.01	*0.08*	0.06	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	04 Nov 2019	0908_MW106S_191104	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.08	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	12 May 2020	0908_MW106S_200512	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.08	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	17 Nov 2020	0908_MW106_S_201117	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	14 May 2021	0908_MW106S_210514	Normal	NSW_0908_PFASOMP	<0.01	*0.03*	0.16	**0.19**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 Nov 2021	0908_MW106S_211108	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.15	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW106S	24 May 2022	0908_MW106S_220524	Normal	NSW_0908_PFASOMP		<0.01	*0.04*	0.17	**0.21**	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 Nov 2022	0908_MW106S_221108	Normal	NSW_0908_PFASOMP		0.01	*0.03*	0.25	**0.28**	0.35	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 May 2023	0908_MW106S_230508	Normal	NSW_0908_PFASOMP_23		0.02	*0.08*	0.23	**0.31**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	23 Nov 2023	0908_MW106S_231123	Normal	NSW_0908_PFASOMP_23		0.01	*0.08*	0.11	**0.19**	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	19 Apr 2024	0908_MW106S_240419	Normal	NSW_0908_PFASOMP_24		0.01	*0.18*	0.1	**0.28**	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	13 Apr 2015	MW107-D_20150413	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW107D	10 Mar 2016	MW107D_10032016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW107D	01 Feb 2017	MW107D_GW_01022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	01 Feb 2017	QC820_GW_01022017	Interlab_D	NSW_0908_PFAS		<0.02	<0.01	<0.02	<0.02	-	<0.01	-	-	<0.02	<0.05	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
MW107D	01 May 2018	MW107D_GW_01052018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	07 Aug 2018	0908_MW107D_180807	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	07 Sep 2018	0908_MW107D_180907	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	05 Oct 2018	0908_MW107D_181005	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	27 Nov 2018	0908_MW107D_181127	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_MW107D_190123	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_QC101_190123	Field_D	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_QC201_190123	Interlab_D	NSW_0908_PFASMGMT		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	<0.05
MW107D	29 Mar 2019	0908_MW107D_190329	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	31 May 2019	0908_MW107D_190531	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	18 Jun 2019	0908_MW107D_190618	Normal	NSW_0908_PFASMGMT		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	25 Sep 2019	0908_MW107D_190925	Normal	NSW_0908_PFASMGMT		<0.0005	<0.0003	<0.0005	<0.0003	0.028	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.028	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	19 Nov 2019	0908_MW107D_191119	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	19 Nov 2019	0908_QC107_191119	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	19 Nov 2019	0908_QC207_191119	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	<0.05
MW107D	02 Dec 2019	0908_MW107D_191202	Normal	NSW_0908_PFAS		<0.0005	*0.0042*	<0.0005	0.0042	0.0562	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.052	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	12 Mar 2020	0908_MW107D_200312	Normal	NSW_0908_PFASMGMT		<0.0005	*0.0053*	<0.0005	0.0053	0.0132	<0.0005	<0.0005	<0.0005	<0.0005	0.006	<0.0005	0.0019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	19 May 2020	0908_MW107D_200519	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jun 2020	0908_MW107D_200623	Normal	NSW_0908_PFASMGMT		<0.002	*0.002*	<0.002	0.002	0.031	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.029	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	NSW_0908_PFASMGMT		<0.002	<0.002	<0.002	<0.002	0.013	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.013	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	19 Nov 2020	0908_MW107_D_201119	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	11 Jan 2021	0908_MW107_D_210111	Normal	NSW_0908_PFASMGMT		<0.0005	*0.0012*	<0.0005	0.0012	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	20 Sep 2021	0908_MW107D_210920	Normal	NSW_0908_PFASMGMT		<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	17 Nov 2021	0908_MW107D_211117	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	17 Nov 2021	0908_QC111_211117	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	13 Jan 2022	0908_MW107D_220113	Normal	NSW_0908_PFASMGMT		<0.0005	<0.0003	<0.0005	<0.0003	0.0036	0.0012	0.0006	<0.0005	<0.0005	<0.002	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	11 Nov 2022	0908_MW107D_221111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	12 May 2023	0908_MW107D_230512	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Nov 2023	0908_MW107D_231123	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Apr 2024	0908_MW107D_240423	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	13 Apr 2015	MW107-S_20150413	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW107S	10 Mar 2016	MW107S_10032016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW107S	10 Mar 2016	QC150_10032016	Field_D	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW107S	01 Feb 2017	MW107S_GW_01022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	01 Feb 2017	QC721_GW_01022017	Field_D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	01 May 2018	MW107S_GW_01052018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	07 Aug 2018	0908_MW107S_180807	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	07 Sep 2018	0908_MW107S_180907	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	05 Oct 2018	0908_MW107S_181005	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	27 Nov 2018	0908_MW107S_181127	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Jan 2019	0908_MW107S_190123	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_MW107S_190329	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_QC100_190329	Field_D	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_QC200_190329	Interlab_D	NSW_0908_PFASMGMT		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	<0.05
MW107S	22 May 2019	0908_QC200_190522	Interlab_D	NSW_0908_PFAS		0.12	*8.8*	1.4	**10.2**	-	0.078	0.094	0.09	<0.01	0.089	0.13	0.47	0.049	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.026	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.05	<0.01	<0.05
MW107S	31 May 2019	0908_MW107S_190531	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	18 Jun 2019	0908_MW107S_190618	Normal	NSW_0908_PFASMGMT		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	18 Jun 2019	0908_QC100_190618	Field_D	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	25 Sep 2019	0908_MW107S_190925	Normal	NSW_0908_PFASMGMT		<0.0005	<0.0003	<0.0005	<0.0003	0.0022	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	0.0005	0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water					**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW107S	19 Nov 2019	0908_MW107S_191119	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	02 Dec 2019	0908_MW107S_191202	Normal	NSW_0908_PFAS	<0.0005	*0.001*	<0.0005	0.001	0.0021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	12 Mar 2020	0908_MW107S_200312	Normal	NSW_0908_PFASMGMT	<0.0005	*0.0029*	<0.0005	0.0029	0.0046	0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	19 May 2020	0908_MW107S_200519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Jun 2020	0908_MW107S_200623	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	19 Nov 2020	0908_MW107_S_201119	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	11 Jan 2021	0908_MW107_S_210111	Normal	NSW_0908_PFASMGMT	<0.0005	*0.0004*	<0.0005	0.0004	0.0004	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Jan 2021	0908_QC100_210111	Field_D	NSW_0908_PFASMGMT	<0.0005	*0.0003*	<0.0005	0.0003	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Jan 2021	0908_QC200_210111	Interlab_D	NSW_0908_PFASMGMT	<0.001	<0.002	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW107S	20 Sep 2021	0908_MW107S_210920	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.002	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	17 Nov 2021	0908_MW107S_211117	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	13 Jan 2022	0908_MW107S_220113	Normal	NSW_0908_PFASMGMT	<0.0005	*0.0008*	0.0016	0.0024	0.0178	0.0011	0.0005	<0.0005	<0.0005	0.008	0.0028	0.003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Nov 2022	0908_MW107S_221111	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	12 May 2023	0908_MW107S_230512	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Nov 2023	0908_MW107S_231123	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Apr 2024	0908_MW107S_240423	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Nov 2014	MW108-D_17112014	Normal	NSW_0908_PFAS	<0.01	<0.01	0.11	**0.11**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108D	21 Jan 2016	MW108D_21012016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW108D	29 Aug 2016	MW108D_290816	Normal	NSW_0908_PFAS	<0.01	*0.01*	0.03	0.04	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108D	17 Oct 2016	MW108D_171016	Normal	NSW_0908_PFAS	<0.01	<0.01	0.03	0.03	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108D	13 Jan 2017	MW108D_130117	Normal	ACTNSW_Hist_202012-3	<0.01	*0.04*	0.43	**0.47**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108D	24 Jan 2017	MW108D_GW_24012017	Normal	NSW_0908_PFAS	<0.01	<0.01	1.14	**1.14**	1.29	0.02	0.05	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	07 Mar 2017	MW108D_070317	Normal	NSW_0908_PFAS	<0.01	<0.01	0.56	**0.56**	0.63	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	02 May 2017	MW108D_020517	Normal	ACTNSW_Hist_202012-3	<0.01	*0.01*	0.55	**0.56**	-	<0.01	0.02	<0.01	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW108D	04 Apr 2018	MW108D_GW_04042018	Normal	NSW_0908_PFAS	<0.01	<0.01	0.4	**0.4**	0.58	0.02	0.02	<0.02	<0.02	0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	04 Apr 2018	MW108D_GW_04042018	Normal	NSW_0908_PFAS	-	-	-	**0.41**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	NSW_0908_PFAS	<0.01	<0.01	0.37	**0.37**	0.46	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	NSW_0908_PFAS	-	-	-	**0.38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_MW108D_190531	Normal	NSW_0908_PFAS	<0.01	<0.01	0.38	**0.38**	0.54	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	31 May 2019	0908_MW108D_190531	Normal	NSW_0908_PFAS	-	-	-	**0.39**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_QC105_190531	Field_D	NSW_0908_PFAS	<0.01	<0.01	0.37	**0.37**	0.51	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	31 May 2019	0908_QC105_190531	Field_D	NSW_0908_PFAS	-	-	-	**0.38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_QC205_190531	Interlab_D	NSW_0908_PFAS	<0.01	<0.02	0.36	**0.38**	-	0.046	0.041	<0.01	<0.01	<0.05	<0.02	0.059	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108D	08 Nov 2019	0908_MW108D_191108	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.46	**0.46**	0.76	0.08	0.08	<0.02	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	11 May 2020	0908_MW108D_200511	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.44	**0.44**	0.8	0.1	0.11	<0.02	<0.02	<0.1	0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Nov 2020	0908_MW108_D_201117	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.23	**0.23**	0.35	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 May 2021	0908_MW108D_210517	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.55	**0.55**	0.86	0.07	0.1	<0.02	<0.02	<0.1	0.02	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 Nov 2021	0908_MW108D_211110	Normal	NSW_0908_PFASOMP	<0.01	<0.01	1.41	**1.41**	2.25	0.21	0.2	<0.02	<0.02	<0.1	0.05	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	19 May 2022	0908_MW108D_220519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.21	**0.21**	0.26	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 Nov 2022	0908_MW108D_221110	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.36	**0.36**	0.47	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 May 2023	0908_MW108D_230510	Normal	NSW_0908_PFASOMP_23	0.02	<0.01	1.56	**1.56**	2.15	0.12	0.19	<0.02	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 May 2023	0908_QC219_230510	Interlab_D	NSW_0908_PFASOMP_23	<0.01	<0.01	1.6	**1.6**	2.1	0.11	0.18	<0.01	<0.02	<0.02	0.03	0.16	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW108D	22 Nov 2023	0908_MW108D_231122	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.44	**0.44**	0.59	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Apr 2024	0908_MW108D_240417	Normal	NSW_0908_PFASOMP_24	0.03	<0.01	1.48	**1.48**	2.03	0.1	0.17	<0.02	<0.02	<0.1	0.03	0.15	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Nov 2014	MW108-S_17112014	Normal	NSW_0908_PFAS	<0.01	*0.02*	0.21	**0.23**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108S	21 Jan 2016	MW108S_21012016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW108S	29 Aug 2016	MW108S_290816	Normal	NSW_0908_PFAS	0.02	*0.13*	1.9	**2.03**	-	0.07	-	-	<0.01	<0.05	0.04	0.46	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108S	17 Oct 2016	MW108S_171016	Normal	NSW_0908_PFAS	0.02	*0.2*	2.4	**2.6**	-	0.07	-	-	<0.01	<0.05	0.02	0.12	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108S	13 Jan 2017	MW108S_130117	Normal	ACTNSW_Hist_202012-3	0.02	*0.38*	0.78	**1.16**	-	0.03	-	-	<0.01	<0.05	0.01	0.18	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108S	24 Jan 2017	MW108S_GW_24012017	Normal	NSW_0908_PFAS	0.01	*0.46*	0.99	**1.45**	1.75	0.03	0.11	<0.02	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	02 May 2017	MW108S_020517	Normal	ACTNSW_Hist_202012-3	0.02	*0.11*	0.82	**0.93**	-	0.02	0.03	<0.01	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW108S	04 Apr 2018	MW108S_GW_04042018	Normal	NSW_0908_PFAS	<0.01	*0.02*	0.25	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	09 Aug 2018	0908_MW108S_180809	Normal	NSW_0908_PFASMGMT	0.32	*0.06*	2.97	**3.03**	4.05	0.07	0.16	<0.02	<0.02	<0.1	0.05	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Sep 2018	0908_MW108S_180905	Normal	NSW_0908_PFASMGMT	0.35	*0.09*	3.22	**3.31**	4.35	0.07	0.15	<0.02	<0.02	<0.1	0.03	0.39	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_MW108S_181003	Normal	NSW_0908_PFASMGMT	**0.57**	*0.1*	5.8	**5.9**	8.48	0.17	0.25	0.27	<0.02	<0.1	0.15	1.06	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_QC106_181003	Field_D	NSW_0908_PFASMGMT	**0.58**	*0.11*	5.84	**5.95**	8.49	0.16	0.24	0.28	<0.02	<0.1	0.16	1.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_QC206_181003	Interlab_D	NSW_0908_PFASMGMT	0.48	<0.02	4	**4**	-	0.13	0.2	0.063	<0.01	0.061	0.12	0.7	0.081	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
MW108S	29 Nov 2018	0908_MW108S_181129	Normal	NSW_0908_PFAS		0.55	*0.07*	4.46	**4.53**	6.52	0.13	0.2	0.27	<0.02	<0.1	0.1	0.67	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jan 2019	0908_MW108S_190122	Normal	NSW_0908_PFASMGMT		0.4	*0.08*	3.9	**3.98**	5.19	0.08	0.15	0.17	<0.02	<0.1	0.03	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	01 Apr 2019	0908_MW108S_190401	Normal	NSW_0908_PFASMGMT		0.22	*0.16*	2.49	**2.65**	3.33	0.09	0.08	0.1	<0.02	<0.1	0.02	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	31 May 2019	0908_MW108S_190531	Normal	NSW_0908_PFAS		0.07	*0.12*	0.23	**0.35**	0.54	0.06	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	20 Jun 2019	0908_MW108S_190620	Normal	NSW_0908_PFASMGMT		0.04	*0.09*	0.23	**0.32**	0.62	0.09	0.06	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	24 Sep 2019	0908_MW108S_190924	Normal	NSW_0908_PFASMGMT		0.02	*0.06*	2.09	**2.15**	2.65	0.11	0.14	<0.02	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	08 Nov 2019	0908_MW108S_191108	Normal	NSW_0908_PFASOMP		0.03	*0.12*	3.13	**3.25**	3.65	0.09	0.1	<0.02	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	28 Nov 2019	0908_MW108S_191128	Normal	NSW_0908_PFAS		0.02	*0.12*	2.63	**2.75**	2.92	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	16 Mar 2020	0908_MW108S_200316	Normal	NSW_0908_PFASMGMT		0.01	*0.2*	0.25	**0.45**	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	11 May 2020	0908_MW108S_200511	Normal	NSW_0908_PFASOMP		<0.01	*0.27*	0.2	**0.47**	0.47	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jun 2020	0908_MW108S_200622	Normal	NSW_0908_PFASMGMT		<0.01	*0.04*	0.29	**0.33**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jun 2020	0908_QC100_200622	Field_D	NSW_0908_PFASMGMT		<0.01	*0.04*	0.29	**0.33**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	30 Sep 2020	0908_MW108S_200930	Normal	NSW_0908_PFASMGMT		<0.01	*0.06*	0.15	**0.21**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Nov 2020	0908_MW108_S_201117	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.31	**0.34**	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_MW108_S_210113	Normal	NSW_0908_PFASMGMT		0.03	*0.09*	0.82	**0.91**	1	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_QC101_210113	Field_D	NSW_0908_PFASMGMT		0.03	*0.08*	0.77	**0.85**	0.93	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_QC201_210113	Interlab_D	NSW_0908_PFASMGMT		<0.01	*0.034*	0.61	**0.644**	-	<0.01	<0.01	0.017	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108S	17 May 2021	0908_MW108S_210517	Normal	NSW_0908_PFASOMP		0.06	*0.12*	0.72	**0.84**	1.19	0.03	0.05	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	23 Jun 2021	0908_MW108S_210623	Normal	NSW_0908_PFASMGMT		0.08	*0.13*	0.88	**1.01**	1.41	0.03	0.04	0.18	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Nov 2021	0908_MW108S_211105	Normal	NSW_0908_PFASMGMT		0.02	*0.1*	0.91	**1.01**	1.21	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Nov 2021	0908_QC101_211105	Field_D	NSW_0908_PFASMGMT		0.02	*0.1*	0.9	**1**	1.19	0.03	0.04	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2021	0908_MW108S_211110	Normal	NSW_0908_PFASOMP		0.02	*0.09*	0.7	**0.79**	0.95	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2021	0908_QC203_211110	Interlab_D	NSW_0908_PFASOMP		<0.01	*0.08*	0.75	**0.82**	0.98	0.02	0.03	0.04	<0.02	<0.02	<0.02	0.05	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW108S	12 Jan 2022	0908_MW108S_220112	Normal	NSW_0908_PFASMGMT		0.05	*0.08*	1.07	**1.15**	1.31	<0.02	0.03	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	14 Mar 2022	0908_MW108S_220314	Normal	NSW_0908_PFASMGMT		0.04	*0.1*	0.62	**0.72**	0.8	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	19 May 2022	0908_MW108S_220519	Normal	NSW_0908_PFASOMP		0.03	*0.83*	0.62	**1.45**	1.59	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	20 Jun 2022	0908_MW108S_220620	Normal	NSW_0908_PFASMGMT		0.03	*0.92*	0.6	**1.52**	1.75	<0.02	<0.02	0.17	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	12 Sep 2022	0908_MW108S_220912	Normal	NSW_0908_PFASMGMT		0.04	*2.02*	0.61	**2.63**	2.88	<0.02	0.03	0.14	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2022	0908_MW108S_221110	Normal	NSW_0908_PFASOMP		0.04	*1.66*	0.55	**2.21**	2.48	0.02	0.04	0.13	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 May 2023	0908_MW108S_230510	Normal	NSW_0908_PFASOMP_23		0.42	*4.03*	2.86	**6.89**	8.7	0.05	0.11	0.88	<0.02	<0.1	0.04	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Nov 2023	0908_MW108S_231122	Normal	NSW_0908_PFASOMP_23		0.23	*4.68*	1.46	**6.14**	7.39	0.03	0.05	0.78	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Apr 2024	0908_MW108S_240417	Normal	NSW_0908_PFASOMP_24		0.01	*2.06*	0.14	**2.2**	2.24	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	17 Nov 2014	MW109-D_17112014	Normal	NSW_0908_PFAS		**0.83**	*44*	7.5	**51.5**	-	0.95	-	-	0.11	-	0.28	2.2	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW109D	02 Feb 2016	MW109D_02022016	Normal	NSW_0908_PFAS		**0.67**	*24.5*	-	**24.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW109D	29 Aug 2016	MW109D_290816	Normal	NSW_0908_PFAS		0.42	*34*	3.9	**37.9**	-	0.32	-	-	0.02	0.11	0.18	1.4	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW109D	19 Oct 2016	MW109D_191016	Normal	NSW_0908_PFAS		0.34	*15*	1.6	**16.6**	-	0.4	-	-	<0.01	0.12	0.16	1.1	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW109D	12 Jan 2017	MW109D_120117	Normal	ACTNSW_Hist_202012-3		0.49	*35*	4	**39**	-	0.33	-	-	0.05	0.12	0.17	1.3	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.02	-	<0.05	-	<0.05	-	-	<0.05	-
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	NSW_0908_PFAS		**0.89**	*49.4*	7.29	**56.69**	61.9	0.48	0.6	0.78	0.09	<0.1	0.32	1.74	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	NSW_0908_PFAS		-	-	-	**56.7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW109D	02 May 2017	MW109D_020517	Normal	ACTNSW_Hist_202012-3		0.37	*22*	3.1	**25.1**	-	0.19	0.27	0.36	0.09	0.1	0.19	0.93	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.18	0.02	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW109D	20 Apr 2018	MW109D_GW_20042018	Normal	NSW_0908_PFAS		0.01	*0.94*	0.59	**1.53**	1.92	0.02	0.04	<0.02	<0.02	<0.1	0.04	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	14 Sep 2018	0908_MW109D_180914	Normal	NSW_0908_PFASMGMT		0.02	*3.25*	0.16	**3.41**	3.48	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	13 Dec 2018	0908_MW109D_181213	Normal	NSW_0908_PFAS		0.07	*6.22*	0.78	**7**	7.52	0.04	0.06	0.08	<0.02	<0.1	0.05	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	13 Dec 2018	0908_QC112_181213	Field_D	NSW_0908_PFAS		0.07	*6.35*	0.8	**7.15**	7.67	0.04	0.06	0.07	<0.02	<0.1	0.05	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	31 May 2019	0908_MW109D_190531	Normal	NSW_0908_PFAS		0.02	*3.98*	0.17	**4.15**	4.25	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	08 Nov 2019	0908_MW109D_191108	Normal	NSW_0908_PFASOMP		0.2	*14*	1.94	**15.9**	17.5	0.11	0.14	0.16	0.03	<0.1	0.17	0.64	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_MW109_D_201123	Normal	NSW_0908_PFASOMP		0.14	*2.98*	2.85	**5.83**	6.92	0.16	0.19	0.11	<0.02	<0.1	0.08	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_QC106_201123	Field_D	NSW_0908_PFASOMP		0.15	*3.11*	3.01	**6.12**	7.24	0.17	0.2	0.11	<0.02	<0.1	0.08	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_QC206_201123	Interlab_D	NSW_0908_PFASOMP		0.11	*2.6*	2.5	**5.1**	-	0.14	0.17	0.068	<0.01	0.063	0.075	0.28	0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW109D	17 May 2021	0908_MW109D_210517	Normal	NSW_0908_PFASOMP		0.5	*14.9*	5.58	**20.5**	24.8	0.51	0.68	0.4	0.08	0.2	0.4	1.27	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.1	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	16 Nov 2021	0908_MW109D_211116	Normal	NSW_0908_PFASOMP		0.54	*15.4*	6.54	**21.9**	26.2	0.55	0.65	0.4	0.03	0.2	0.34	1.29	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	19 May 2022	0908_MW109D_220519	Normal	NSW_0908_PFASOMP		**0.6**	*30.9*	6.48	**37.4**	40.9	0.22	0.34	0.72	0.07	0.1	0.26	0.92	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	10 Nov 2022	0908_MW109D_221110	Normal	NSW_0908_PFASOMP		**0.76**	*26.4*	7.94	**34.3**	38.2	0.33	0.48	0.64	<0.02	0.2	0.27	0.92	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	26 May 2023	0908_MW109D_230526	Normal	NSW_0908_PFASOMP_23		0.05	*3.82*	0.66	**4.48**	4.9	0.05	0.07	0.02	<0.02	<0.1	0.06	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	22 Nov 2023	0908_MW109D_231122	Normal	NSW_0908_PFASOMP_23		**0.88**	*9.64*	12.9	**22.5**	27.6	0.76	1.05	0.45	<0.02	0.1	0.26	1.19	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	18 Apr 2024	0908_MW109D_240418	Normal	NSW_0908_PFASOMP_24		0.01	*1.16*	0.11	**1.27**	1.3	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	12 Nov 2014	MW118_12112014	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW118	29 Jan 2016	MW118_29012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
MW118	11 Jan 2017	MW118_GW_11012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW118	28 Mar 2018	MW118_GW_28032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	19 Nov 2018	0908_MW118_181119	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	24 May 2019	0908_MW118_190524	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_MW118_191105	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_QC101_191105	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_QC201_191105	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.05	<0.01	<0.05
MW118	19 May 2020	0908_MW118_200519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	23 Nov 2020	0908_MW118_201123	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_MW118_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_QC101_210513	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_QC201_210513	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW118	09 Nov 2021	0908_MW118_211109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	17 May 2022	0908_MW118_220517	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	17 May 2022	0908_QC100_220517	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	07 Nov 2022	0908_MW118_221107	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_MW118_231128	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_QC114_231128	Field_D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_QC214_231128	Interlab_D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW118	16 Apr 2024	0908_MW118_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	13 Nov 2014	MW121_13112014	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW121	25 Jan 2016	MW121_25012016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW121	10 Jan 2017	MW121_GW_10012017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	26 Mar 2018	QC201_GW_26032018	Interlab_D	NSW_0908_PFAS	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW121	28 Mar 2018	MW121_GW_28032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	28 Mar 2018	QC101_GW_28032018	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	20 Nov 2018	0908_MW121_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	23 May 2019	0908_MW121_90523	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	04 Nov 2019	0908_MW121_191104	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	18 May 2020	0908_MW121_200518	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	23 Nov 2020	0908_MW121_201123	Normal	NSW_0908_PFASOMP	<0.01	*0.15*	0.17	**0.32**	0.39	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	13 May 2021	0908_MW121_210513	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 Nov 2021	0908_MW121_211109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	18 May 2022	0908_MW121_220518	Normal	NSW_0908_PFASOMP	<0.01	*0.16*	0.04	**0.2**	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_MW121_221108	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_QC110_221108	Field_D	NSW_0908_PFASOMP	<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_QC210_221108	Interlab_D	NSW_0908_PFASOMP	<0.01	*0.02*	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW121	09 May 2023	0908_MW121_230509	Normal	NSW_0908_PFASOMP_23	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 May 2023	0908_QC106_230509	Field_D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 May 2023	0908_QC206_230509	Interlab_D	NSW_0908_PFASOMP_23	<0.01	*0.01*	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW121	20 Nov 2023	0908_MW121_231120	Normal	NSW_0908_PFASOMP_23	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_MW121_240416	Normal	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC101_240416	Field_D	NSW_0908_PFASOMP_24	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC201_240416	Interlab_D	NSW_0908_PFASOMP_24	<0.01	*0.04*	0.01	0.05	0.05	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW122	13 Nov 2014	MW122_13112014	Normal	NSW_0908_PFAS	<0.01	<0.01	0.03	0.03	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW122	15 Feb 2016	MW122_15022016	Normal	NSW_0908_PFAS	<0.01	<0.01	0.05	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	-	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	15 Feb 2016	QC135_WG_15022016	Field_D	NSW_0908_PFAS	<0.01	<0.01	0.05	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	-	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	06 Apr 2018	MW122_GW_06042018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2018	0908__QC201_181121	Interlab_D	NSW_0908_PFAS	<0.01	<0.02	0.019	0.039	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW122	21 Nov 2018	0908_MW122_181121	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2018	0908_QC102_181121	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	23 May 2019	0908_MW122_190523	Normal	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	23 May 2019	0908_MW122_190523	Normal	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW122	05 Nov 2019	0908_MW122_191105	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	20 May 2020	0908_MW122_200520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	24 Nov 2020	0908_MW122_201124	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	18 May 2022	0908_MW122_220518	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	10 Nov 2022	0908_MW122_221110	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	19 May 2023	0908_MW122_230519	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2023	0908_MW122_231121	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW122	16 Apr 2024	0908_MW122_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	12 Nov 2014	MW123_12112014	Normal	NSW_0908_PFAS	0.02	*0.48*	0.25	**0.73**	-	0.03	-	-	<0.01	-	<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW123	08 Oct 2015	MW123	Normal	NSW_0908_PFAS	<0.02	*0.1*	-	**0.1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW123	29 Jan 2016	MW123_29012016	Normal	NSW_0908_PFAS	0.03	*0.76*	-	**0.76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW123	11 Jan 2017	MW123_GW_11012017	Normal	NSW_0908_PFAS	0.03	*1.12*	0.41	**1.53**	1.91	0.26	<0.02	0.04	<0.02	<0.1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	28 Mar 2018	MW123_GW_28032018	Normal	NSW_0908_PFAS	0.03	*0.8*	0.68	**1.48**	1.86	0.07	0.07	0.04	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	20 Nov 2018	0908_MW123_181120	Normal	NSW_0908_PFAS	0.03	*0.67*	0.5	**1.17**	1.56	0.06	0.08	0.03	<0.02	<0.1	0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	23 May 2019	0908_MW123_190523	Normal	NSW_0908_PFAS	0.04	*0.87*	1.01	**1.88**	2.3	0.07	0.09	0.04	<0.02	<0.1	0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	05 Nov 2019	0908_MW123_191105	Normal	NSW_0908_PFASOMP	0.04	*0.89*	1.04	**1.93**	2.31	0.06	0.07	0.05	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	26 May 2021	0908_MW123_210526	Normal	NSW_0908_PFASOMP	0.02	*0.58*	0.54	**1.12**	1.34	0.04	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 Nov 2021	0908_MW123_211109	Normal	NSW_0908_PFASOMP	0.01	*0.34*	0.25	**0.59**	0.67	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 Nov 2021	0908_QC101_211109	Field_D	NSW_0908_PFASOMP	0.01	*0.37*	0.27	**0.64**	0.72	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	18 May 2022	0908_MW123_220518	Normal	NSW_0908_PFASOMP	<0.01	*0.1*	0.08	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	08 Nov 2022	0908_MW123_221108	Normal	NSW_0908_PFASOMP	0.02	*0.4*	0.33	**0.73**	0.86	0.02	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 May 2023	0908_MW123_230509	Normal	NSW_0908_PFASOMP_23	0.02	*0.41*	0.39	**0.8**	0.97	0.03	0.04	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	21 Nov 2023	0908_MW123_231121	Normal	NSW_0908_PFASOMP_23	0.01	*0.35*	0.21	**0.56**	0.61	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	16 Apr 2024	0908_MW123_240416	Normal	NSW_0908_PFASOMP_24	<0.01	*0.09*	0.05	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	07 Feb 2017	MW125D_GW_07022017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	26 Mar 2018	MW125D_GW_26032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	20 Nov 2018	0908_MW125D_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW125D	22 May 2019	0908_MW125D_190522	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	01 Nov 2019	0908_MW125D_191101	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	13 May 2020	0908_MW125D_200513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	24 Nov 2020	0908_MW125_D_201124	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	13 May 2021	0908_MW125D_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 Nov 2021	0908_MW125D_211109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 Nov 2022	0908_MW125D_221109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 May 2023	0908_MW125D_230509	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	21 Nov 2023	0908_MW125D_231121	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	16 Apr 2024	0908_MW125D_240416	Normal	NSW_0908_PFASOMP_24	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	26 Mar 2018	MW125S_GW_26032018	Normal	NSW_0908_PFAS	0.02	*0.02*	0.06	**0.08**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	20 Nov 2018	0908_MW125S_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	22 May 2019	0908_MW125_190522	Normal	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	22 May 2019	0908_MW125_190522	Normal	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW125S	01 Nov 2019	0908_MW125S_191101	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 May 2020	0908_MW125S_200513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 Nov 2020	0908_MW125_S_201113	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 May 2021	0908_MW125S_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 Nov 2021	0908_MW125S_211109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 Nov 2022	0908_MW125S_221109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 May 2023	0908_MW125S_230509	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	21 Nov 2023	0908_MW125S_231121	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	16 Apr 2024	0908_MW125S_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 Dec 2016	MW126D_GW_19122016	Normal	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	07 Feb 2017	MW126D_GW_07022017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	26 Mar 2018	MW126D_GW_26032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	20 Nov 2018	0908_MW126D_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	21 May 2019	0908_MW126D_190521	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	01 Nov 2019	0908_MW126D_191101	Normal	NSW_0908_PFASOMP	<0.01	*0.47*	0.03	**0.5**	0.5	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	13 May 2020	0908_MW126D_200513	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	24 Nov 2020	0908_MW126_D_201124	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.11	0.07	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 May 2021	0908_MW126D_210519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 May 2021	0908_QC204_210519	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126D	09 Nov 2021	0908_MW126D_211109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	31 May 2022	0908_MW126D_220531	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	09 Nov 2022	0908_MW126D_221109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	11 May 2023	0908_MW126D_230511	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	0.13	0.13	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW126D	23 Nov 2023	0908_MW126D_231123	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_MW126D_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC102_240416	Field_D	NSW_0908_PFASOMP_24		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC202_240416	Interlab_D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126S	13 Nov 2014	MW126_13112014	Normal	NSW_0908_PFAS		0.04	*0.07*	0.49	**0.56**	-	0.05	-	-	<0.01	-	<0.01	0.24	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW126S	03 Feb 2016	MW126_03022016	Normal	NSW_0908_PFAS		0.16	*0.49*	-	**0.49**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW126S	19 Dec 2016	MW126S_GW_19122016	Normal	NSW_0908_PFAS		0.33	*2.26*	6.11	**8.37**	11.6	0.36	0.42	0.51	<0.02	<0.1	0.2	1.19	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	MW126S_GW_26032018	Normal	NSW_0908_PFAS		0.09	*1.44*	1.59	**3.03**	4.19	0.2	0.16	0.18	<0.02	<0.1	0.09	0.37	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	QC100_GW_26032018	Field_D	NSW_0908_PFAS		0.09	*1.42*	1.69	**3.11**	4.3	0.2	0.16	0.19	<0.02	<0.1	0.08	0.39	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	QC200_GW_26032018	Interlab_D	NSW_0908_PFAS		0.077	*0.65*	1.3	**1.95**	-	0.14	0.13	0.12	<0.01	0.067	0.053	0.3	0.043	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	26 Nov 2018	0908_MW126S_181126	Normal	NSW_0908_PFAS		0.13	*1.63*	2.64	**4.27**	5.82	0.28	0.28	0.21	<0.02	<0.1	0.1	0.48	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_MW126S_190521	Normal	NSW_0908_PFAS		0.38	*3.6*	7.04	**10.6**	15.6	0.88	1.03	0.55	<0.02	<0.1	0.29	1.6	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_MW126S_190521	Normal	NSW_0908_PFAS		-	-	-	**10.64**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW126S	21 May 2019	0908_QC100_190521	Field_D	NSW_0908_PFAS		0.38	*3.63*	7.29	**10.9**	15.9	0.88	1.06	0.55	<0.02	<0.1	0.27	1.6	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_QC102_190521	Field_D	NSW_0908_PFAS		-	-	-	**10.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW126S	21 May 2019	0908_QC200_190521	Interlab_D	NSW_0908_PFAS		0.32	*3.1*	8.2	**11.3**	-	0.77	0.72	0.34	<0.01	0.19	0.27	1.5	0.18	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	01 Nov 2019	0908_MW126S_191101	Normal	NSW_0908_PFASOMP		0.35	*3.86*	7.02	**10.9**	15.6	1.02	0.7	0.55	<0.02	0.2	0.25	1.44	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_MW126S_200513	Normal	NSW_0908_PFASOMP		0.53	*8.44*	8.7	**17.1**	23.2	0.97	1.16	0.7	<0.02	<0.1	0.33	2.08	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_QC102_200513	Field_D	NSW_0908_PFASOMP		0.56	*9.2*	8.52	**17.7**	24	0.93	1.34	0.79	<0.02	<0.1	0.31	1.97	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_QC202_200513	Interlab_D	NSW_0908_PFASOMP		0.32	*5.3*	6	**11.3**	-	0.75	0.76	0.35	<0.01	0.17	0.27	1.3	0.18	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	24 Nov 2020	0908_MW126_S_201124	Normal	NSW_0908_PFASOMP		0.54	*9.88*	6.73	**16.6**	22.8	0.89	1.12	0.87	<0.02	0.2	0.33	1.96	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	19 May 2021	0908_MW126S_210519	Normal	NSW_0908_PFASOMP		0.4	*10.2*	7.3	**17.5**	22.5	0.66	0.86	0.81	<0.02	0.1	0.24	1.72	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	09 Nov 2021	0908_MW126S_211109	Normal	NSW_0908_PFASOMP		0.25	*6.08*	6.26	**12.3**	15.8	0.52	0.45	0.43	<0.02	<0.1	0.18	1.5	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	31 May 2022	0908_MW126S_220531	Normal	NSW_0908_PFASOMP		0.28	*6.02*	5.03	**11**	14.4	0.37	0.47	0.61	<0.02	0.1	0.14	1.25	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	09 Nov 2022	0908_MW126S_221109	Normal	NSW_0908_PFASOMP		0.45	*7.02*	10.3	**17.3**	23.6	0.7	0.85	0.79	<0.02	0.2	0.38	2.61	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_MW126S_230511	Normal	NSW_0908_PFASOMP_23		**0.68**	*7.94*	13.1	**21**	28	0.93	0.55	0.51	<0.02	0.2	0.47	3.25	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_QC112_230511	Field_D	NSW_0908_PFASOMP_23		0.54	*7.4*	13.3	**20.7**	28.1	0.98	0.93	1.07	<0.02	0.2	0.49	2.81	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_QC212_230511	Interlab_D	NSW_0908_PFASOMP_23		0.52	*7*	16	**23**	30	0.84	0.94	1.3	<0.02	0.25	0.41	2.9	0.35	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126S	23 Nov 2023	0908_MW126S_231123	Normal	NSW_0908_PFASOMP_23		0.35	*4.25*	7.06	**11.3**	15.6	0.55	0.72	0.8	<0.02	0.1	0.23	1.31	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_MW126S_240416	Normal	NSW_0908_PFASOMP_24		0.16	*2.57*	3.54	**6.11**	8.24	0.26	0.3	0.38	<0.02	<0.1	0.12	0.68	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC104_240416	Field_D	NSW_0908_PFASOMP_24		0.13	*3.25*	3.38	**6.63**	8.68	0.25	0.27	0.43	<0.02	<0.1	0.08	0.66	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC204_240416	Interlab_D	NSW_0908_PFASOMP_24		0.17	*2.8*	3.4	**6.2**	8.3	0.27	0.28	0.37	<0.02	0.07	0.1	0.74	0.09	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW128D	27 Jan 2016	MW128D_27012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW128D	11 Jan 2017	MW128D_GW_11012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	10 Apr 2018	MW128D_GW_10042018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	26 Nov 2018	0908_MW128D_181126	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128D	27 May 2019	0908_MW128D_190527	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	01 Nov 2019	0908_MW128D_191101	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	18 May 2020	0908_MW128D_200518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	25 Nov 2020	0908_MW128_D_201125	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_MW128D_210520	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_QC110_210520	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_QC210_210520	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW128D	11 Nov 2021	0908_MW128D_211111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	11 Nov 2021	0908_QC105_211111	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	16 May 2022	0908_MW128D_220516	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	07 Nov 2022	0908_MW128D_221107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	09 May 2023	0908_MW128D_230509	Normal	NSW_0908_PFASOMP_23		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	28 Nov 2023	0908_MW128D_231128	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	16 Apr 2024	0908_MW128D_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	13 Nov 2014	MW128_13112014	Normal	NSW_0908_PFAS		<0.01	*0.05*	0.02	0.07	-	0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW128S	27 Jan 2016	MW128_27012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW128S	11 Jan 2017	MW128S_GW_11012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	10 Apr 2018	MW128S_GW_10042018	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	27 May 2019	0908_MW128S_190527	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	01 Nov 2019	0908_MW128S_191101	Normal	NSW_0908_PFASOMP		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	18 May 2020	0908_MW128S_200518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	25 Nov 2020	0908_MW128_S_201125	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	20 May 2021	0908_MW128S_210520	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW128S	11 Nov 2021	0908_MW128S_211111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	16 May 2022	0908_MW128S_220516	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	07 Nov 2022	0908_MW128S_221107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	09 May 2023	0908_MW128S_230509	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	28 Nov 2023	0908_MW128S_231128	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	16 Apr 2024	0908_MW128S_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	14 Apr 2015	MW130-D_20150414	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	0.02	-	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.04	0.03	<0.01	<0.01	<0.05	0.06	-	<0.05	<0.05	-	-	<0.05	-	-
MW130D	31 Jan 2017	MW130D_GW_31022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Apr 2018	MW130D_GW_27042018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2018	0908_MW130D_181127	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	30 May 2019	0908_MW130D_190530	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	06 Nov 2019	0908_MW130D_191106	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	14 May 2020	0908_MW130D_200514	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	25 Nov 2020	0908_MW130_D_201125	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	15 Nov 2021	0908_MW130D_211115	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	01 Jun 2022	0908_MW130D_220601	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	08 Nov 2022	0908_MW130D_221108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	11 May 2023	0908_MW130D_230511	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_MW130D_231127	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_QC109_231127	Field_D	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_QC209_231127	Interlab_D	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW130D	24 Apr 2024	0908_MW130D_240424	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	24 Apr 2024	0908_QC116_240424	Field_D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	14 Apr 2015	MW130-S_20150414	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW130S	31 Jan 2017	MW130S_GW_31012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	31 Jan 2017	QC719_GW_31012017	Field_D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Apr 2018	MW130S_GW_27042018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	21 Nov 2018	0908_MW130S_181121	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	30 May 2019	0908_MW130S_190530	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	06 Nov 2019	0908_MW130S_191106	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	14 May 2020	0908_MW130S_200514	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	25 Nov 2020	0908_MW130_S_201125	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	15 Nov 2021	0908_MW130S_211115	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	08 Nov 2022	0908_MW130S_221108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	11 May 2023	0908_MW130S_230511	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_MW130S_231127	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_QC107_231127	Field_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_QC207_231127	Interlab_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW130S	24 Apr 2024	0908_MW130S_240424	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC114_240424	Field_D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC214_240424	Interlab_D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	14 Apr 2015	MW132-D_20150414	Normal	NSW_0908_PFAS		0.01	<0.01	0.07	0.07	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09	0.02	-	<0.05	<0.05	-	-	<0.05	-	-
MW132D	01 Feb 2017	MW132D_GW_01022017	Normal	NSW_0908_PFAS		0.02	*0.07*	0.37	**0.44**	0.56	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 Apr 2018	MW132D_GW_27042018	Normal	NSW_0908_PFAS		0.02	*0.08*	0.72	**0.8**	1.27	0.04	0.07	<0.02	<0.02	<0.1	0.03	0.29	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 Nov 2018	0908_MW132D_181127	Normal	NSW_0908_PFAS		0.02	*0.09*	1.1	**1.19**	1.53	0.08	0.05	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	22 May 2019	0908_MW132D_190522	Normal	NSW_0908_PFAS		0.03	*0.1*	1.11	**1.21**	1.67	0.09	0.08	0.03	<0.02	<0.1	0.02	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	06 Nov 2019	0908_MW132D_191106	Normal	NSW_0908_PFASOMP		0.07	*0.08*	2.25	**2.33**	2.8	0.05	0.08	0.04	<0.02	<0.1	<0.02	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	14 May 2020	0908_MW132D_200514	Normal	NSW_0908_PFASOMP		0.09	*0.1*	1.56	**1.66**	2.26	0.06	0.1	0.06	<0.02	<0.1	0.03	0.24	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	17 Nov 2020	0908_MW132_D_201117	Normal	NSW_0908_PFASOMP		0.05	*0.1*	1.25	**1.35**	1.66	0.04	0.06	0.04	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 May 2021	0908_MW132D_210527	Normal	NSW_0908_PFASOMP		0.07	*0.14*	1	**1.14**	1.5	0.09	0.04	0.08	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	15 Nov 2021	0908_MW132D_211115	Normal	NSW_0908_PFASOMP		0.1	*0.31*	0.77	**1.08**	1.43	0.08	0.03	0.08	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	15 Nov 2021	0908_QC207_211115	Interlab_D	NSW_0908_PFASOMP		0.08	*0.23*	0.79	**1**	1.3	0.01	0.03	0.1	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	30 May 2022	0908_MW132D_220530	Normal	NSW_0908_PFASOMP		0.06	*0.41*	0.7	**1.11**	1.41	0.02	0.04	0.1	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	30 May 2022	0908_QC218_220530	Interlab_D	NSW_0908_PFASOMP		0.06	*0.38*	0.61	**0.99**	1.3	0.02	0.02	0.1	<0.02	<0.02	<0.02	0.07	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	08 Nov 2022	0908_MW132D_221108	Normal	NSW_0908_PFASOMP		0.04	*0.44*	0.7	**1.14**	1.39	<0.02	0.04	0.1	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	11 May 2023	0908_MW132D_230511	Normal	NSW_0908_PFASOMP_23		0.03	*0.89*	0.32	**1.21**	1.42	0.02	<0.02	0.1	<0.02	<0.1	0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_MW132D_231123	Normal	NSW_0908_PFASOMP_23		0.02	*0.78*	0.23	**1.01**	1.13	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_QC103_231123	Field_D	NSW_0908_PFASOMP_23		0.02	*0.74*	0.2	**0.94**	1.07	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_QC203_231123	Interlab_D	NSW_0908_PFASOMP_23		0.02	*0.76*	0.24	**1**	1.1	<0.01	0.01	0.08	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW132D	22 Apr 2024	0908_MW132D_240422	Normal	NSW_0908_PFASOMP_24	0.02	*0.94*	0.23	**1.17**	1.27	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	14 Apr 2015	MW132-S_20150414	Normal	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW132S	18 Jan 2016	MW132S_18012016	Normal	NSW_0908_PFAS	<0.01	<0.01	0.04	0.04	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW132S	01 Feb 2017	MW132S_GW_01022017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	27 Apr 2018	MW132S_GW_27042018	Normal	NSW_0908_PFAS	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	27 Apr 2018	MW132S_GW_27042018	Normal	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW132S	27 Nov 2018	0908_MW132S_181127	Normal	NSW_0908_PFAS	<0.01	*0.4*	0.4	**0.8**	0.95	0.02	0.04	<0.02	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	22 May 2019	0908_MW132S_190522	Normal	NSW_0908_PFAS	<0.01	*0.46*	0.25	**0.71**	0.77	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	06 Nov 2019	0908_MW132S_191106	Normal	NSW_0908_PFASOMP	0.02	*0.84*	0.45	**1.29**	1.41	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	14 May 2020	0908_MW132S_200514	Normal	NSW_0908_PFASOMP	<0.01	*0.46*	0.13	**0.59**	0.63	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	17 Nov 2020	0908_MW132_S_201117	Normal	NSW_0908_PFASOMP	<0.01	*0.74*	0.1	**0.84**	0.86	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	27 May 2021	0908_MW132S_210527	Normal	NSW_0908_PFASOMP	<0.01	*0.22*	0.09	**0.31**	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	15 Nov 2021	0908_MW132S_211115	Normal	NSW_0908_PFASOMP	<0.01	*0.4*	0.18	**0.58**	0.6	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	30 May 2022	0908_MW132S_220530	Normal	NSW_0908_PFASOMP	<0.01	*0.34*	0.14	**0.48**	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	30 May 2022	0908_QC118_220530	Field_D	NSW_0908_PFASOMP	<0.01	*0.52*	0.2	**0.72**	0.72	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	08 Nov 2022	0908_MW132S_221108	Normal	NSW_0908_PFASOMP	<0.01	*0.24*	0.05	**0.29**	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	11 May 2023	0908_MW132S_230511	Normal	NSW_0908_PFASOMP_23	<0.01	*0.22*	0.05	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	23 Nov 2023	0908_MW132S_231123	Normal	NSW_0908_PFASOMP_23	<0.01	*0.18*	0.05	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	23 Nov 2023	0908_QC105_231123	Field_D	NSW_0908_PFASOMP_23	<0.01	*0.18*	0.04	**0.22**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132S	23 Nov 2023	0908_QC205_231123	Interlab_D	NSW_0908_PFASOMP_23	<0.01	*0.16*	0.06	**0.22**	0.22	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
MW132S	22 Apr 2024	0908_MW132S_240422	Normal	NSW_0908_PFASOMP_24	<0.01	*0.18*	0.05	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	13 Apr 2015	MW134-D_20150413	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.03	-	<0.05	<0.05	-	-	<0.05	-	-
MW134D	04 Feb 2016	MW134D_04022016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW134D	04 Feb 2016	QC127_WG_04022016	Field_D	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW134D	05 Sep 2016	MW134D_050916	Normal	NSW_0908_PFAS	<0.01	*0.07*	<0.01	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134D	19 Oct 2016	MW134D_191016	Normal	NSW_0908_PFAS	<0.01	*0.2*	0.05	**0.25**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	18 Jan 2017	MW134D_180117	Normal	ACTNSW_Hist_202012-3	<0.01	*0.1*	0.02	**0.12**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	18 Jan 2017	QC108_180117	Field_D	ACTNSW_Hist_202012-3	<0.01	*0.08*	0.02	**0.1**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	25 Jan 2017	MW134D_GW_25012017	Normal	NSW_0908_PFAS	<0.01	*0.17*	0.1	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	09 May 2017	MW134D_090517	Normal	ACTNSW_Hist_202012-3	<0.01	*0.05*	0.02	0.07	-	<0.01	<0.01	0.01	<0.01	<0.05	<0.01	<0.01	<0.01	0.02	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.03	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05
MW134D	19 Apr 2018	MW134D_GW_19042018	Normal	NSW_0908_PFAS	<0.01	*0.08*	0.06	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	30 Nov 2018	0908_MW134D_181130	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.07	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	29 May 2019	0908_MW134D_190529	Normal	NSW_0908_PFAS	<0.01	*0.06*	0.04	**0.1**	0.13	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	06 Nov 2019	0908_MW134D_191107	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	15 May 2020	0908_MW134D_200515	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	07 Dec 2020	0908_MW134_D_201207	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	24 May 2021	0908_MW134D_210524	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.04	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	18 Nov 2021	0908_MW134D_211118	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	30 May 2022	0908_MW134D_220530	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	14 Nov 2022	0908_MW134D_221114	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	0.04	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_MW134D_230512	Normal	NSW_0908_PFASOMP_23	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_QC114_230512	Field_D	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_QC214_230512	Interlab_D	NSW_0908_PFASOMP_23	<0.01	*0.01*	0.02	0.03	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
MW134D	22 Nov 2023	0908_MW134D_231122	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	17 Apr 2024	0908_MW134D_240417	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	13 Apr 2015	MW134-I_20150413	Normal	NSW_0908_PFAS	0.01	<0.01	0.04	0.04	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.05	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134I	04 Feb 2016	MW134I_04022016	Normal	NSW_0908_PFAS	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW134I	05 Sep 2016	MW134I_050916	Normal	NSW_0908_PFAS	<0.01	*0.21*	0.03	**0.24**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134I	19 Oct 2016	MW134L_191016	Normal	NSW_0908_PFAS	<0.01	*0.13*	0.03	**0.16**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134I	25 Jan 2017	MW134I_GW_25012017	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.03	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	09 May 2017	MW134I_090517	Normal	ACTNSW_Hist_202012-3	<0.01	*0.06*	0.02	**0.08**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	NSW_0908_PFAS	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	NSW_0908_PFAS	-	-	-	**0.09**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW134I	30 Nov 2018	0908_MW134I_181130	Normal	NSW_0908_PFAS	<0.01	*0.03*	0.05	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	29 May 2019	0908_MW134I_190529	Normal	NSW_0908_PFAS	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	06 Nov 2019	0908_MW134I_191107	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	15 May 2020	0908_MW134I_200515	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	07 Dec 2020	0908_MW134_I_201207	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	24 May 2021	0908_MW134I_210524	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																								
PFAS NEMP 2020 Recreational Water					**10**			**2**																								
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																										
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																												
MW134I	18 Nov 2021	0908_MW134I_211118	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	18 Nov 2021	0908_QC209_211118	Interlab_D	NSW_0908_PFASOMP	<0.01	*0.01*	0.03	0.05	0.05	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW134I	30 May 2022	0908_MW134I_220530	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	14 Nov 2022	0908_MW134I_221114	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	12 May 2023	0908_MW134I_230512	Normal	NSW_0908_PFASOMP_23	<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	22 Nov 2023	0908_MW134I_231122	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	17 Apr 2024	0908_MW134I_240417	Normal	NSW_0908_PFASOMP_24	0.03	*1.42*	0.38	**1.8**	2	0.02	0.04	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	26 Feb 2016	MW139_26022016	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	23 Jan 2017	MW139_GW_170123	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	09 Apr 2018	MW139_GW_09042018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_MW139_181128	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_QC106_181128	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_QC203_181128	Interlab_D	NSW_0908_PFAS	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW139	04 Jun 2019	0908_MW139_190604	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	08 Nov 2019	0908_MW139_191108	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	26 May 2020	0908_MW139_200526	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	12 May 2021	0908_MW139_210512	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	31 May 2022	0908_MW139_220531	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	14 Nov 2022	0908_MW139_221114	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	15 May 2023	0908_MW139_230515	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	27 Nov 2023	0908_MW139_231127	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	23 Apr 2024	0908_MW139_240423	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	07 Feb 2017	MW146D_A_GW_07022017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	20 Nov 2018	0908_MW146D_A_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	21 May 2019	0908_MW146D_A_190521	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	06 Nov 2019	0908_MW146D_A_191106	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	26 Nov 2020	0908_MW146A_D_201126	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05	<0.05
MW146AD	13 May 2021	0908_MW146AD_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	13 May 2021	0908_QC102_210513	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	09 Nov 2021	0908_MW146AD_211109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	31 May 2022	0908_MW146AD_220531	Normal	NSW_0908_PFASOMP	<0.01	*0.27*	0.01	**0.28**	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	09 Nov 2022	0908_MW146AD_221109	Normal	NSW_0908_PFASOMP	<0.01	*0.1*	<0.01	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	09 May 2023	0908_MW146AD_230509	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	23 Nov 2023	0908_MW146AD_231123	Normal	NSW_0908_PFASOMP_23	<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	16 Apr 2024	0908_MW146AD_240416	Normal	NSW_0908_PFASOMP_24	0.04	*1.87*	0.6	**2.47**	2.73	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	03 Feb 2016	MW146S_03022016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW146S	20 Dec 2016	MW146S_GW_20122016	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	26 Mar 2018	MW146S_GW_26032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	20 Nov 2018	0908_MW146S_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	21 May 2019	0908_MW146S_190521	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	06 Nov 2019	0908_MW146S_191106	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	20 May 2020	0908_MW146S_200520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	26 Nov 2020	0908_MW146_S_201126	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	09 Nov 2021	0908_MW146S_211109	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	09 Nov 2022	0908_MW146S_221109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	09 May 2023	0908_MW146S_230509	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	24 Nov 2023	0908_MW146S_231124	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	16 Apr 2024	0908_MW146S_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	04 Mar 2016	MW147D_04032016	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.5	-	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	02 Feb 2017	MW147D_GW_02022017	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	17 Apr 2018	MW147D_GW_17042018	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	04 Jun 2019	0908_MW147D_190604	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	28 May 2020	0908_MW147D_200528	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	27 May 2021	0908_MW147D_210527	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	17 May 2022	0908_MW147D_220517	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	15 May 2023	0908_MW147D_230515	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	22 Apr 2024	0908_MW147D_240422	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	04 Mar 2016	MW147S_04032016	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.5	-	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S	02 Feb 2017	MW147S_GW_02022017	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water					**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW147S	09 Apr 2018	MW147S_GW_09042018	Normal	NSW_0908_PFAS	<0.05	*0.07*	0.18	**0.25**	0.33	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S	04 Jun 2019	0908_MW147S_190604	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S	28 May 2020	0908_MW147S_200528	Normal	NSW_0908_PFASOMP	<0.01	*0.03*	0.06	**0.09**	0.18	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	27 May 2021	0908_MW147S_210527	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	0.07	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	17 May 2022	0908_MW147S_220517	Normal	NSW_0908_PFASOMP	0.01	*0.03*	0.13	**0.16**	0.25	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	15 May 2023	0908_MW147S_230515	Normal	NSW_0908_PFASOMP_23	<0.01	*0.03*	0.08	**0.11**	0.18	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	22 Apr 2024	0908_MW147S_240422	Normal	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.12	**0.17**	0.25	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D	07 Feb 2017	MW150D_GW_07022017	Normal	NSW_0908_PFAS	0.04	*0.15*	1.24	**1.39**	2.37	0.11	0.13	0.04	<0.02	0.4	0.06	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D	10 May 2023	0908_MW150D_230510	Normal	NSW_0908_PFASOMP_23	0.06	*0.25*	1.81	**2.06**	2.96	0.18	0.22	0.06	<0.02	<0.1	0.06	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D	16 Apr 2024	0908_MW150D_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150S	01 Feb 2016	MW150_01022016	Normal	NSW_0908_PFAS	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW150S	07 Feb 2017	MW150S_GW_07022017	Normal	NSW_0908_PFAS	<0.01	*0.2*	0.05	**0.25**	0.35	<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150S	10 May 2023	0908_MW150S_230510	Normal	NSW_0908_PFASOMP_23	<0.01	*0.03*	0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150S	16 Apr 2024	0908_MW150S_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	21 Jan 2016	MW155_21012016	Normal	NSW_0908_PFAS	<0.01	*0.31*	-	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW155	07 Sep 2016	MW155_070916	Normal	NSW_0908_PFAS	0.02	*1.1*	0.3	**1.4**	-	<0.01	-	-	<0.01	<0.05	0.03	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW155	19 Oct 2016	MW155_191016	Normal	NSW_0908_PFAS	0.01	*1.2*	0.21	**1.41**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155	12 Jan 2017	MW155_120117	Normal	ACTNSW_Hist_202012-3	0.02	*1.5*	0.22	**1.72**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155	13 Jan 2017	MW155_D_120117	Normal	ACTNSW_Hist_202012-3	0.01	*1.1*	0.19	**1.29**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155	01 Feb 2017	MW155_GW_010217	Normal	NSW_0908_PFAS	0.09	*0.67*	0.07	**0.74**	1.24	<0.05	<0.05	<0.05	<0.05	<0.1	0.15	0.1	0.09	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW155	20 Apr 2018	MW155_GW_20042018	Normal	NSW_0908_PFAS	<0.01	*0.69*	0.39	**1.08**	1.2	<0.02	0.03	<0.02	<0.02	<0.1	0.04	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	21 Nov 2018	0908_MW155_181121	Normal	NSW_0908_PFAS	0.01	*0.64*	0.35	**0.99**	1.1	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	28 May 2019	0908_MW155_190528	Normal	NSW_0908_PFAS	<0.01	*1.26*	0.25	**1.51**	1.61	<0.02	<0.02	<0.02	<0.02	<0.1	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	12 May 2020	0908_MW155_200512	Normal	NSW_0908_PFASOMP	<0.01	*0.87*	0.37	**1.24**	1.51	<0.02	0.02	<0.02	<0.02	0.1	0.09	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	24 May 2021	0908_MW155_210524	Normal	NSW_0908_PFASOMP	0.02	*0.61*	0.47	**1.08**	1.81	<0.02	<0.02	0.02	<0.02	0.3	0.2	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	08 May 2023	0908_MW155_230508	Normal	NSW_0908_PFASOMP_23	0.08	*1.23*	0.2	**1.43**	2.11	<0.02	<0.02	<0.02	<0.02	0.2	0.2	0.12	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_MW155_240731	Normal	NSW_0908_PFASOMP_24	0.02	*0.55*	0.21	**0.76**	0.82	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_QC101_240731	Field_D	NSW_0908_PFASOMP_24	0.02	*0.56*	0.17	**0.73**	0.8	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_QC201_240731	Interlab_D	NSW_0908_PFASOMP_24	0.02	*0.45*	0.19	**0.65**	0.78	<0.01	0.01	0.01	<0.02	0.02	0.03	0.02	0.02	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW159D	31 Jan 2017	MW159D_GW_31012017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	27 Apr 2018	MW159D_GW_27042018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	21 Nov 2018	0908_MW159D_181121	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	21 Nov 2018	0908_QC103_181121	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	23 May 2019	0908_MW159D_190523	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	23 May 2019	0908_MW159D_190523	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	14 May 2020	0908_MW159D_200514	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	19 May 2021	0908_MW159D_210519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	01 Jun 2022	0908_MW159D_220601	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	11 May 2023	0908_MW159D_230511	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_MW159D_240731	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC100_240731	Field_D	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC200_240731	Interlab_D	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW159S	09 Feb 2016	MW159_09022016	Normal	NSW_0908_PFAS	<0.01	*0.03*	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW159S	09 Feb 2016	QC131_WG_09022016	Field_D	NSW_0908_PFAS	<0.01	*0.02*	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW159S	31 Jan 2017	MW159_GW_31012017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	27 Apr 2018	MW159S_GW_27042018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	21 Nov 2018	0908_MW159S_181121	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	23 May 2019	0908_MW159S_190523	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	14 May 2020	0908_MW159S_200514	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	19 May 2021	0908_MW159S_210519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	01 Jun 2022	0908_MW159S_220601	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	11 May 2023	0908_MW159S_230511	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	31 Jul 2024	0908_MW159S_240731	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	07 Mar 2016	MW160_07032016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW160	30 Jan 2017	MW160_GW_30012017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	27 Apr 2018	MW160_GW_27042018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	21 Nov 2018	0908_MW160_181121	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	06 Nov 2019	0908_MW160_191106	Normal	NSW_0908_PFASOMP	0.02	*3.11*	0.19	**3.3**	3.39	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	14 May 2020	0908_MW160_200514	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW160	17 Nov 2020	0908_MW160_201117	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	24 May 2021	0908_MW160_210524	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	15 Nov 2021	0908_MW160_211115	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	15 Nov 2021	0908_QC206_211115	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW160	31 May 2022	0908_MW160_220531	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	31 May 2022	0908_QC119_220531	Field_D	NSW_0908_PFASOMP		<0.01	*0.01*	0.04	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	08 Nov 2022	0908_MW160_221108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	11 May 2023	0908_MW160_230511	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	23 Nov 2023	0908_MW160_231123	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	22 Apr 2024	0908_MW160_240422	Normal	NSW_0908_PFASOMP_24		0.03	*0.98*	0.14	**1.12**	1.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	26 Feb 2016	MW161D_26022016	Normal	NSW_0908_PFAS		<0.01	*0.04*	0.02	0.06	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW161D	26 Feb 2016	MW161D_26022016	Normal	NSW_0908_PFAS		-	*0.13*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW161D	08 Feb 2017	MW161D_GW_08022017	Normal	NSW_0908_PFAS		0.14	*3.78*	1.8	**5.58**	6.65	0.13	0.17	0.16	<0.02	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	30 May 2019	0908_MW161D_190530	Normal	NSW_0908_PFAS		0.08	*2.85*	1.03	**3.88**	4.55	0.09	0.1	0.1	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	21 May 2020	0908_MW161D_200521	Normal	NSW_0908_PFASOMP		0.06	*2.22*	1.01	**3.23**	3.85	0.1	0.09	0.06	<0.02	<0.1	0.06	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	26 May 2021	0908_MW161D_210526	Normal	NSW_0908_PFASOMP		0.05	*1.6*	0.86	**2.46**	2.97	0.07	0.08	0.06	<0.02	<0.1	0.05	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	01 Jun 2022	0908_MW161D_220601	Normal	NSW_0908_PFASOMP		0.06	*1.94*	0.85	**2.79**	3.3	0.06	0.09	0.08	<0.02	<0.1	0.04	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	11 May 2023	0908_MW161D_230511	Normal	NSW_0908_PFASOMP_23		0.05	*1.89*	0.74	**2.63**	3.11	0.06	0.08	0.06	<0.02	<0.1	0.05	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	22 Apr 2024	0908_MW161D_240422	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	26 Feb 2016	MW161S_26022016	Normal	NSW_0908_PFAS		0.04	*2.26*	1.32	**3.58**	-	0.13	-	-	<0.02	-	-	0.23	0.04	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW161S	26 Feb 2016	MW161S_26022016	Normal	NSW_0908_PFAS		0.07	*2.98*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW161S	08 Feb 2017	MW161S_GW_08022017	Normal	NSW_0908_PFAS		0.08	*2.66*	1.4	**4.06**	4.75	0.09	0.11	0.06	<0.02	<0.1	0.06	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	30 May 2019	0908_MW161S_190530	Normal	NSW_0908_PFAS		0.03	*1.91*	1.09	**3**	3.24	0.03	0.04	0.05	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	21 May 2020	0908_MW161S_200521	Normal	NSW_0908_PFASOMP		0.06	*2.39*	1.22	**3.61**	4.28	0.12	0.1	0.07	<0.02	<0.1	0.06	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	26 May 2021	0908_MW161S_210526	Normal	NSW_0908_PFASOMP		0.05	*3.64*	0.96	**4.6**	5.14	0.06	0.08	0.08	<0.02	<0.1	0.05	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	01 Jun 2022	0908_MW161S_220601	Normal	NSW_0908_PFASOMP		0.07	*2.39*	0.84	**3.23**	3.74	0.05	0.07	0.09	<0.02	<0.1	0.04	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	11 May 2023	0908_MW161S_230511	Normal	NSW_0908_PFASOMP_23		0.04	*1.84*	0.72	**2.56**	2.91	0.03	0.04	0.04	<0.02	<0.1	0.04	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	22 Apr 2024	0908_MW161S_240422	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	29 Jan 2016	MW162D_29012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW162D	10 Jan 2017	MW162D_GW_10012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	27 Mar 2018	MW162D_GW_27032018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	20 Nov 2018	0908_MW162D_181120	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	22 May 2019	0908_MW162D_190522	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	04 Nov 2019	0908_MW162D_191104	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2020	0908_MW162D_200518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	23 Nov 2020	0908_MW162_D_201123	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2021	0908_MW162D_210518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2021	0908_QC104_210518	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	12 Nov 2021	0908_MW162D_211112	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2022	0908_MW162D_220518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2022	0908_QC208_220518	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	07 Nov 2022	0908_MW162D_221107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	09 May 2023	0908_MW162D_230509	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	09 May 2023	0908_QC215_230509	Interlab_D	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	21 Nov 2023	0908_MW162D_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	21 Nov 2023	0908_QC100_231121	Field_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	21 Nov 2023	0908_QC200_231121	Interlab_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	16 Apr 2024	0908_MW162D_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	29 Jan 2016	MW162S_29012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW162S	10 Jan 2017	MW162S_GW_10012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	27 Mar 2018	MW162S_GW_27032018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	21 Nov 2018	0908_MW162S_181121	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	22 May 2019	0908_MW162S_190522	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	04 Nov 2019	0908_MW162S_191104	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2020	0908_MW162S_200518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	23 Nov 2020	0908_MW162_S_201123	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2021	0908_MW162S_210518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	12 Nov 2021	0908_MW162S_211112	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2022	0908_MW162S_220518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
MW162S	18 May 2022	0908_QC108_220518	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	07 Nov 2022	0908_MW162S_221107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	09 May 2023	0908_MW162S_230509	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	09 May 2023	0908_QC115_230509	Field_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	21 Nov 2023	0908_MW162S_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	16 Apr 2024	0908_MW162S_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	05 Feb 2016	MW163_05022016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW163	07 Feb 2017	MW163_GW_070217	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	10 Apr 2018	MW163_GW_10042018	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	26 Nov 2018	0908_MW163_181126	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	27 May 2019	0908_MW163_190527	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	01 Nov 2019	0908_MW163_191101	Normal	NSW_0908_PFASOMP		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	18 May 2020	0908_MW163_200518	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	25 Nov 2020	0908_MW163_201125	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	20 May 2021	0908_MW163_210520	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	11 Nov 2021	0908_MW163_211111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	11 Nov 2021	0908_QC204_211111	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.5
MW163	19 May 2022	0908_MW163_220519	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	07 Nov 2022	0908_MW163_221107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	09 May 2023	0908_MW163_230509	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	28 Nov 2023	0908_MW163_231128	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	16 Apr 2024	0908_MW163_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 Jan 2016	MW166_13012016	Normal	NSW_0908_PFAS		0.07	*27.4*	-	**27.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW166	01 Sep 2016	MW166_010916	Normal	NSW_0908_PFAS		0.06	*28*	0.78	**28.78**	-	0.09	-	-	<0.01	<0.05	0.03	0.16	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW166	01 Sep 2016	QC106_010916	Field_D	NSW_0908_PFAS		0.03	*13*	0.35	**13.35**	-	0.04	-	-	<0.01	<0.05	0.02	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW166	12 Oct 2016	MW166_121016	Normal	NSW_0908_PFAS		0.04	*20*	0.68	**20.68**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_170117	Normal	ACTNSW_Hist_202012-3		0.4	*120*	6.2	**126.2**	-	0.16	-	-	<0.04	0.06	0.1	0.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.2	<0.04	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_170117	Normal	NSW_0908_PFAS		0.4	*120*	6.2	**126.2**	-	0.16	-	-	<0.01	0.06	0.1	0.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_GW_17012017	Normal	NSW_0908_PFAS		0.1	*21.3*	0.62	**21.9**	22.4	0.04	0.07	0.08	<0.02	<0.1	0.03	0.14	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	17 Jan 2017	MW166_GW_17012017	Normal	NSW_0908_PFAS		-	-	-	**21.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW166	03 May 2017	MW166_030517	Normal	ACTNSW_Hist_202012-3		0.06	*12*	0.52	**12.52**	-	0.03	0.03	0.06	<0.01	<0.05	0.03	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW166	04 Apr 2018	MW166_GW_04042018	Normal	NSW_0908_PFAS		0.05	*23.5*	0.68	**24.2**	24.5	0.04	0.04	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	04 Apr 2018	MW166_GW_04042018	Normal	NSW_0908_PFAS		-	-	-	**24.18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW166	29 Nov 2018	0908_MW166_181129	Normal	NSW_0908_PFAS		0.03	*17.8*	0.3	**18.1**	18.2	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	01 Apr 2019	0908_MW166_190401	Normal	NSW_0908_PFASMGMT		0.04	*17.6*	0.26	**17.9**	18	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	20 Jun 2019	0908_MW166_190620	Normal	NSW_0908_PFASMGMT		0.04	*14.3*	0.28	**14.6**	14.7	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	24 Sep 2019	0908_MW166_190924	Normal	NSW_0908_PFASMGMT		0.04	*18.2*	0.32	**18.5**	18.7	0.02	0.03	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	06 Nov 2019	0908_MW166_191107	Normal	NSW_0908_PFASOMP		0.04	*14.6*	0.35	**15**	15.2	0.04	0.03	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	29 Nov 2019	0908_MW166_191129	Normal	NSW_0908_PFASMGMT		0.04	*14.6*	0.25	**14.8**	15	0.02	0.02	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 Mar 2020	0908_MW166_200313	Normal	NSW_0908_PFASMGMT		0.04	*14.8*	0.42	**15.2**	15.5	0.03	0.05	0.04	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 May 2020	0908_MW166_200513	Normal	NSW_0908_PFASOMP		0.04	*17.6*	0.28	**17.9**	18.1	0.02	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	16 Nov 2020	0908_MW166_201116	Normal	NSW_0908_PFASOMP		0.03	*15.2*	0.43	**15.6**	15.8	0.04	0.04	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 May 2021	0908_MW166_210518	Normal	NSW_0908_PFASOMP		0.11	*12.1*	2.26	**14.4**	14.9	0.04	0.06	0.08	<0.02	<0.1	0.03	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 Nov 2021	0908_MW166_211118	Normal	NSW_0908_PFASMGMT		0.05	*13.7*	0.82	**14.5**	14.8	0.02	0.03	0.05	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 Nov 2021	0908_MW166_211118	Normal	NSW_0908_PFASOMP		0.05	*14*	0.89	**14.9**	15.2	0.02	0.04	0.06	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	25 May 2022	0908_MW166_220525	Normal	NSW_0908_PFASMGMT		0.11	*14.5*	1.33	**15.8**	16.6	0.03	0.04	0.07	<0.02	<0.1	0.07	0.39	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	25 May 2022	0908_MW166_220525	Normal	NSW_0908_PFASOMP		0.09	*12.6*	1.02	**13.6**	14	0.02	0.04	0.07	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	09 Nov 2022	0908_MW166_221109	Normal	NSW_0908_PFASOMP		0.08	*6.74*	0.84	**7.58**	7.95	<0.02	0.02	0.08	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	10 May 2023	0908_MW166_230510	Normal	NSW_0908_PFASOMP_23		0.05	*18.6*	0.27	**18.9**	19	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	22 Nov 2023	0908_MW166_231122	Normal	NSW_0908_PFASOMP_23		0.02	*8.45*	0.11	**8.56**	8.65	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	17 Apr 2024	0908_MW166_240417	Normal	NSW_0908_PFASOMP_24		0.02	*12*	0.21	**12.2**	12.3	<0.02	<0.02	0.03	0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 Jan 2016	MW167_13012016	Normal	NSW_0908_PFAS		**0.61**	*164*	10.3	**174.3**	-	0.77	-	-	<0.02	-	-	3.05	0.17	0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW167	01 Sep 2016	MW167_010916	Normal	NSW_0908_PFAS		**1.6**	*120*	24	**144**	-	<0.01	-	-	<0.01	<0.05	<0.01	5.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW167	01 Sep 2016	QC108_010916	Field_D	NSW_0908_PFAS		**1.9**	*150*	27	**177**	-	1.2	-	-	<0.01	<0.05	<0.01	6.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW167	12 Oct 2016	MW167_121016	Normal	NSW_0908_PFAS		<0.01	*110*	19	**129**	-	<0.01	-	-	<0.01	<0.05	<0.01	3.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-	-
MW167	17 Jan 2017	MW167_170117	Normal	ACTNSW_Hist_202012-3		**3.4**	*240*	32	**272**	-	<3	-	-	<3	<15	<3	4.7	<3	<3	<3	<3	<3	<3	<3	<3	<15	6.1	-	<15	-	<15	-	-	<15	-	-
MW167	17 Jan 2017	MW167_170117	Normal	NSW_0908_PFAS		**3.4**	*240*	32	**272**	-	<0.01	-	-	<0.01	<0.05	<0.01	4.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	6.1	-	<0.05	-	<0.05	-	-	<0.05	-	-
MW167	17 Jan 2017	MW167_GW_17012017	Normal	NSW_0908_PFAS		**4.31**	*276*	26.5	**302**	322	1.26	2.39	2.26	<0.02	<0.1	1.19	7.41	0.95	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	17 Jan 2017	MW167_GW_17012017	Normal	NSW_0908_PFAS		-	-	-	**302.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW167	18 Jan 2017	MW167_GW_18012017	Normal	NSW_0908_PFAS	**4.56**	*372*	26.4	**398**	415	0.63	0.86	6.06	<0.02	0.2	0.54	3.28	0.59	0.08	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Jan 2017	MW167_GW_18012017	Normal	NSW_0908_PFAS	-	-	-	**522.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	03 May 2017	MW167_030517	Normal	ACTNSW_Hist_202012-3	**3.3**	*150*	26	**176**	-	2.1	2.5	2.6	1.7	1.5	1.7	5.6	2.1	1.7	1.6	1.8	1.6	1.5	2	1.4	1.7	1.5	1.2	<1.5	<1.5	<0.3	<1.5	<1.5	<1.5	<1.5
MW167	03 May 2017	QC102_030517	Field_D	ACTNSW_Hist_202012-3	**2.3**	*240*	31	**271**	-	1.1	1.7	1.4	<0.3	0.46	0.84	5.2	0.96	<0.3	<0.3	<0.3	<0.3	0.22	<0.3	<0.3	0.32	<0.3	<0.3	<1.5	<1.5	<0.3	<1.5	<1.5	<1.5	<1.5
MW167	23 Nov 2017	0908_MW167_231117	Normal	NSW_0908_PFAS	**5.24**	*426*	37.5	**464**	487	0.71	1.39	8.82	<0.02	0.2	0.63	5.25	0.7	0.13	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Nov 2017	0908_MW167_231117	Normal	NSW_0908_PFAS	-	-	-	**463.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	23 Nov 2017	0908_QC100_231117	Field_D	NSW_0908_PFAS	**5.25**	*358*	37.9	**396**	418	0.68	1.48	7.86	<0.02	0.1	0.59	4.98	0.68	0.14	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Nov 2017	0908_QC100_231117	Field_D	NSW_0908_PFAS	-	-	-	**395.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	18 Apr 2018	MW167_GW_18042018	Normal	NSW_0908_PFAS	**3.02**	*465*	30.6	**496**	514	1.22	1.89	2.8	<0.1	<0.5	0.65	8.02	0.55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW167	18 Apr 2018	MW167_GW_18042018	Normal	NSW_0908_PFAS	-	-	-	**495.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	08 Aug 2018	0908_MW167_180808	Normal	NSW_0908_PFASMGMT	**0.87**	*102*	6.67	**109**	113	0.22	0.33	1.16	<0.02	<0.1	0.22	1.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	04 Sep 2018	0908_MW167_180905	Normal	NSW_0908_PFASMGMT	**1.91**	*274*	16.4	**290**	300	0.55	1	1.35	<0.10	<0.5	0.34	4.4	0.45	<0.10	<0.10	<0.10	<0.10	<0.10	<0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.25	<0.10	<0.25	<0.25	<0.10	<0.25
MW167	02 Oct 2018	0908_MW167_181002	Normal	NSW_0908_PFASMGMT	**6.85**	*522*	25.4	**547**	576	1.39	2.28	8.07	<0.02	0.5	1.36	7.55	0.87	0.15	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_MW167_181129	Normal	NSW_0908_PFAS	**4.56**	*372*	26.4	**398**	415	0.63	0.86	6.06	<0.02	0.2	0.54	3.28	0.59	0.08	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_MW167_181129	Normal	NSW_0908_PFAS	-	-	-	**398.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	29 Nov 2018	0908_QC107_181129	Field_D	NSW_0908_PFAS	**3.95**	*346*	25.8	**372**	387	0.59	0.82	5.28	<0.02	0.2	0.48	3.08	0.56	0.07	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_QC107_181129	Field_D	NSW_0908_PFAS	-	-	-	**371.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	22 Jan 2019	0908_MW167_190122	Normal	NSW_0908_PFASMGMT	**2.46**	*490*	16.4	**506**	517	0.71	0.94	2.3	<0.02	<0.1	0.4	3.24	0.5	0.09	0.03	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	02 Apr 2019	0908_MW167_190402	Normal	NSW_0908_PFASMGMT	**1.63**	*546*	17.2	**563**	576	0.85	0.72	4.23	<0.02	0.2	0.43	3.77	0.46	0.1	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	30 May 2019	0908_MW167_190530	Normal	NSW_0908_PFAS	**1.25**	*391*	11.3	**402**	407	0.31	0.46	0.77	0.04	<0.1	0.26	1.63	0.24	0.05	0.03	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	30 May 2019	0908_MW167_190530	Normal	NSW_0908_PFAS	-	-	-	**402.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	19 Jun 2019	0908_MW167_190619	Normal	NSW_0908_PFASMGMT	**0.9**	*412*	9.44	**421**	425	0.22	0.48	0.6	<0.02	<0.1	0.17	1.08	0.18	<0.02	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Sep 2019	0908_QC200_190923	Interlab_D	NSW_0908_PFASMGMT	0.092	*4.9*	1.8	**6.7**	-	0.063	0.097	0.053	<0.01	<0.05	0.026	0.16	0.032	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW167	24 Sep 2019	0908_MW167_190924	Normal	NSW_0908_PFASMGMT	0.56	*219*	3.56	**222**	224	0.12	0.19	0.42	<0.02	<0.1	0.06	0.35	0.07	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	24 Sep 2019	0908_QC101_190924	Field_D	NSW_0908_PFASMGMT	**0.74**	*199*	4.36	**203**	206	0.15	0.21	0.48	<0.02	<0.1	0.06	0.44	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	06 Nov 2019	0908_MW167_191107	Normal	NSW_0908_PFASOMP	0.54	*158*	2.18	**160**	162	0.09	0.13	0.26	<0.02	<0.1	0.05	0.28	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2019	0908_MW167_191129	Normal	NSW_0908_PFASMGMT	**0.57**	*200*	2.01	**202**	203	0.08	0.1	0.38	<0.02	<0.1	0.02	0.26	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	16 Mar 2020	0908_MW167_200316	Normal	NSW_0908_PFASMGMT	**0.66**	*196*	2.03	**198**	200	0.08	0.1	0.52	<0.05	<0.2	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW167	13 May 2020	0908_MW167_200513	Normal	NSW_0908_PFASOMP	0.53	*161*	2.13	**163**	165	0.05	0.32	0.47	<0.02	<0.1	0.04	0.46	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 May 2020	0908_QC101_200513	Field_D	NSW_0908_PFASOMP	**0.57**	*172*	2.19	**174**	176	0.06	0.32	0.48	<0.02	<0.1	0.04	0.46	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 May 2020	0908_QC201_200513	Interlab_D	NSW_0908_PFASOMP	0.39	*110*	1.5	**111.5**	-	0.045	0.082	0.3	<0.01	<0.05	0.039	0.34	0.03	0.015	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW167	16 Nov 2020	0908_MW167_201116	Normal	NSW_0908_PFASOMP	0.19	*72.1*	1.2	**73.3**	74	0.03	0.06	0.23	<0.02	<0.1	0.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 May 2021	0908_MW167_210518	Normal	NSW_0908_PFASOMP	0.24	*63.8*	1.21	**65**	65.9	0.04	0.08	0.2	<0.02	<0.1	0.05	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Nov 2021	0908_MW167_211118	Normal	NSW_0908_PFASMGMT	0.08	*64.8*	0.58	**65.4**	65.7	<0.02	0.03	0.11	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Nov 2021	0908_MW167_211118	Normal	NSW_0908_PFASOMP	0.06	*45*	0.5	**45.5**	45.8	<0.02	0.03	0.15	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	25 May 2022	0908_MW167_220525	Normal	NSW_0908_PFASMGMT	0.03	*1.9*	0.27	**2.17**	2.27	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	25 May 2022	0908_MW167_220525	Normal	NSW_0908_PFASOMP	0.02	*2.44*	0.31	**2.75**	2.83	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	21 Jun 2022	0908_MW167_220621	Normal	NSW_0908_PFASMGMT	0.04	*84.6*	0.11	**84.7**	84.8	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	09 Nov 2022	0908_MW167_221109	Normal	NSW_0908_PFASOMP	0.02	*22.8*	0.18	**23**	23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	10 May 2023	0908_MW167_230510	Normal	NSW_0908_PFASOMP_23	0.02	*29.3*	0.41	**29.7**	29.8	0.02	0.05	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	22 Nov 2023	0908_MW167_231122	Normal	NSW_0908_PFASOMP_23	0.05	*45.8*	0.55	**46.4**	46.7	0.03	0.03	0.03	<0.02	<0.1	0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	17 Apr 2024	0908_MW167_240417	Normal	NSW_0908_PFASOMP_24	0.05	*27.6*	0.5	**28.1**	28.4	<0.02	0.04	0.06	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 Jan 2016	MW168_13012016	Normal	NSW_0908_PFAS	0.18	*42.9*	-	**42.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW168	02 Sep 2016	MW168_020916	Normal	NSW_0908_PFAS	0.2	*48*	2.4	**50.4**	-	<0.01	-	-	<0.01	<0.05	0.04	0.35	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW168	02 Sep 2016	QC110_020916	Field_D	NSW_0908_PFAS	0.23	*61*	2.4	**63.4**	-	0.08	-	-	<0.01	<0.05	0.05	0.4	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW168	12 Oct 2016	MW168_121016	Normal	NSW_0908_PFAS	<0.01	*31*	14	**45**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_170117	Normal	ACTNSW_Hist_202012-3	0.05	*20*	0.52	**20.52**	-	0.03	-	-	<0.04	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	0.21	<0.04	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_170117	Normal	NSW_0908_PFAS	0.05	*20*	0.52	**20.52**	-	0.03	-	-	<0.01	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.21	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_GW_17012017	Normal	NSW_0908_PFAS	0.56	*90.8*	3.63	**94.4**	97.2	0.11	0.22	0.38	0.14	<0.1	0.16	1	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	17 Jan 2017	MW168_GW_17012017	Normal	NSW_0908_PFAS	-	-	-	**94.43**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	03 May 2017	MW168_030517	Normal	ACTNSW_Hist_202012-3	0.56	*59*	9.9	**68.9**	-	<0.01	0.53	0.36	<0.01	<0.05	0.15	1.9	0.35	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW168	23 Apr 2018	MW168_GW_23042018	Normal	NSW_0908_PFAS	0.3	*78.3*	4.91	**83.2**	85.6	0.1	0.18	0.36	0.16	<0.1	0.1	1.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	23 Apr 2018	MW168_GW_23042018	Normal	NSW_0908_PFAS	-	-	-	**83.21**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	08 Aug 2018	0908_MW168_180808	Normal	NSW_0908_PFASMGMT	0.3	*29.5*	3.15	**32.6**	34.1	0.07	0.13	0.19	0.25	<0.1	0.06	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_MW168_180903	Normal	NSW_0908_PFASMGMT	**1.24**	*58.2*	15.5	**73.7**	78	0.15	0.34	0.49	0.14	<0.1	0.18	1.42	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_QC100_180903	Field_D	NSW_0908_PFASMGMT	**1.3**	*56.9*	14	**70.9**	75.4	0.14	0.36	0.47	0.16	<0.1	0.19	1.49	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_QC200-180903	Interlab_D	NSW_0908_PFASMGMT	**1**	*48*	10	**58**	-	0.14	0.26	0.18	<0.01	0.12	0.19	1.3	0.25	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.055	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	02 Oct 2018	0908_MW168_181002	Normal	NSW_0908_PFASMGMT	0.34	*75.5*	4.41	**79.9**	82.5	0.14	0.24	0.4	<0.02	<0.1	0.15	1.21	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	02 Oct 2018	0908_QC104_181002	Field_D	NSW_0908_PFASMGMT	0.35	*66.7*	4.68	**71.4**	74.1	0.14	0.23	0.44	<0.02	<0.1	0.16	1.22	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW168	02 Oct 2018	0908_QC204_181002	Interlab_D	NSW_0908_PFASMGMT		0.23	*61*	3	**64**	-	0.1	0.16	0.16	<0.01	<0.05	0.11	0.79	0.08	0.012	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.015	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	29 Nov 2018	0908_MW168_181129	Normal	NSW_0908_PFAS		0.08	*34.2*	1.36	**35.6**	36.3	0.04	0.08	0.08	<0.02	<0.1	0.04	0.37	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2018	0908_MW168_181129	Normal	NSW_0908_PFAS		-	-	-	**35.56**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	29 Nov 2018	0908_QC108_181129	Field_D	NSW_0908_PFAS		0.25	*11.6*	3.75	**15.4**	17.6	0.3	0.34	0.22	<0.02	<0.1	0.19	0.83	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2018	0908_QC108_181129	Field_D	NSW_0908_PFAS		-	-	-	**15.35**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	22 Jan 2019	0908_MW168_190122	Normal	NSW_0908_PFASMGMT		0.1	*41.5*	3.07	**44.6**	45.9	0.1	0.16	0.12	<0.02	<0.1	0.06	0.71	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	01 Apr 2019	0908_MW168_190401	Normal	NSW_0908_PFASMGMT		0.11	*24.6*	2.25	**26.8**	27.4	0.06	0.07	0.1	<0.02	<0.1	0.02	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	31 May 2019	0908_MW168_190531	Normal	NSW_0908_PFAS		0.07	*23.3*	1.28	**24.58**	24.9	0.03	0.06	0.07	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	31 May 2019	0908_MW168_190531	Normal	NSW_0908_PFAS		-	-	-	**24.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	20 Jun 2019	0908_MW168_190620	Normal	NSW_0908_PFASMGMT		0.09	*13.5*	1.53	**15**	15.5	0.06	0.09	0.09	<0.02	<0.1	<0.02	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	24 Sep 2019	0908_MW168S_190924	Normal	NSW_0908_PFASMGMT		0.16	*25.9*	2.17	**28.1**	30.3	0.16	0.16	0.14	<0.02	<0.1	0.28	1.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	06 Nov 2019	0908_MW168_191107	Normal	NSW_0908_PFASOMP		0.09	*19.6*	1.16	**20.8**	22.6	0.1	0.18	0.1	<0.02	<0.1	0.16	1.15	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_MW168_191129	Normal	NSW_0908_PFASMGMT		0.06	*16.5*	1	**17.5**	18.4	0.05	0.1	0.07	<0.02	<0.1	0.07	0.57	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_QC102_191129	Interlab_D	NSW_0908_PFASMGMT		0.047	*16*	0.97	**16.97**	-	0.047	0.072	0.052	<0.01	<0.05	0.062	0.4	0.024	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	29 Nov 2019	0908_QC202_191129	Field_D	NSW_0908_PFASMGMT		0.06	*15*	0.95	**16**	16.8	0.05	0.09	0.08	<0.02	<0.1	0.07	0.51	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 Mar 2020	0908_MW168_200313	Normal	NSW_0908_PFASMGMT		0.1	*26.1*	1.9	**28**	29.1	0.08	0.12	0.11	<0.02	<0.1	0.09	0.54	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 Mar 2020	0908_QC100_200313	Field_D	NSW_0908_PFASMGMT		0.1	*25.4*	1.92	**27.3**	28.4	0.08	0.13	0.12	<0.02	<0.1	0.09	0.52	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 May 2020	0908_MW168_200513	Normal	NSW_0908_PFASOMP		0.11	*22.3*	2.21	**24.5**	26.5	0.1	0.26	0.11	<0.02	<0.1	0.15	1.16	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	16 Nov 2020	0908_MW168_201116	Normal	NSW_0908_PFASOMP		0.25	*2.95*	0.58	**3.53**	4.19	<0.02	<0.02	0.19	0.11	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 May 2021	0908_MW168_210518	Normal	NSW_0908_PFASOMP		0.51	*9.84*	4.39	**14.2**	16.3	0.09	0.16	0.27	0.08	<0.1	0.11	0.71	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 Nov 2021	0908_MW168_211118	Normal	NSW_0908_PFASMGMT		0.09	*25.6*	1.46	**27.1**	28	0.06	0.06	0.11	<0.02	<0.1	0.07	0.54	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 Nov 2021	0908_MW168_211118	Normal	NSW_0908_PFASOMP		0.15	*20.7*	1.91	**22.6**	24.2	0.1	0.13	0.2	<0.02	<0.1	0.06	0.82	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_MW168_220526	Normal	NSW_0908_PFASMGMT		0.32	*14.6*	3.47	**18.1**	19.6	0.06	0.14	0.14	0.05	<0.1	0.07	0.67	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_MW168_220526	Normal	NSW_0908_PFASOMP		0.24	*7.87*	3.39	**11.3**	12.5	0.06	0.15	0.13	0.04	<0.1	0.04	0.4	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_QC203_220526	Interlab_D	NSW_0908_PFASMGMT		0.28	*17*	3.6	**21**	22	0.06	0.12	0.18	0.08	0.05	0.07	0.51	0.1	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW168	09 Nov 2022	0908_MW168_221109	Normal	NSW_0908_PFASOMP		0.18	*4.24*	0.8	**5.04**	5.78	<0.02	<0.02	0.14	0.03	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	10 May 2023	0908_MW168_230510	Normal	NSW_0908_PFASOMP_23		0.44	*44.4*	6.17	**50.6**	52.4	0.07	0.19	0.23	0.06	<0.1	0.04	0.54	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	22 Nov 2023	0908_MW168_231122	Normal	NSW_0908_PFASOMP_23		0.07	*9.25*	0.66	**9.91**	10.3	<0.02	0.04	0.03	<0.02	<0.1	0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	17 Apr 2024	0908_MW168_240417	Normal	NSW_0908_PFASOMP_24		0.26	*26.5*	2.12	**28.6**	30.5	0.08	0.09	0.2	0.16	<0.1	0.04	0.4	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	13 Jan 2016	MW169D_13012016	Normal	NSW_0908_PFAS		0.02	*0.31*	-	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW169D	02 Sep 2016	MW169D_020916	Normal	NSW_0908_PFAS		0.05	*0.5*	4.1	**4.6**	-	1.6	-	-	<0.01	0.22	0.45	2.9	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW169D	12 Oct 2016	MW169D_121016	Normal	NSW_0908_PFAS		0.05	*0.85*	4.9	**5.75**	-	1.5	-	-	<0.01	0.35	0.47	3.5	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	16 Jan 2017	MW169D_160117	Normal	ACTNSW_Hist_202012-3		0.07	*0.47*	4	**4.47**	-	1.5	-	-	<0.01	0.32	0.53	3.4	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	16 Jan 2017	MW169D_160117	Normal	NSW_0908_PFAS		0.07	*0.47*	4	**4.47**	-	1.5	-	-	<0.01	0.32	0.53	3.4	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	17 Jan 2017	MW169D_GW_17012017	Normal	NSW_0908_PFAS		0.13	*0.65*	6.72	**7.37**	18.6	2.72	2.52	0.12	<0.02	<0.1	1.06	4.33	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	03 May 2017	MW169D_030517	Normal	ACTNSW_Hist_202012-3		0.1	*0.82*	7.5	**8.32**	-	0.04	1.9	0.1	<0.01	<0.05	0.82	4.3	0.27	<0.01	<0.01	0.02	0.05	0.05	0.33	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW169D	22 Nov 2017	0908_MW169D_221117	Normal	NSW_0908_PFAS		<0.01	*0.28*	7.8	**8.08**	17.2	2.2	2.3	0.03	<0.02	0.2	0.58	3.6	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	30 May 2019	0908_MW169D_190530	Normal	NSW_0908_PFAS		<0.01	*0.11*	0.15	**0.26**	0.37	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	06 Nov 2019	0908_MW169D_191107	Normal	NSW_0908_PFASOMP		0.09	*0.71*	5.54	**6.25**	12.4	1.46	1.34	0.1	<0.02	0.2	0.58	2.22	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	06 Nov 2019	0908_QC103_191107	Field_D	NSW_0908_PFASOMP		0.09	*0.67*	5.44	**6.11**	12.2	1.37	1.2	0.09	<0.02	0.2	0.49	2.48	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	07 Nov 2019	0908_QC203_191107	Interlab_D	NSW_0908_PFASOMP		0.062	*0.52*	5.2	**5.72**	-	1.2	0.95	0.049	<0.01	0.23	0.43	1.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.074	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.05	<0.01	<0.05
MW169D	13 May 2020	0908_MW169D_200513	Normal	NSW_0908_PFASOMP		0.03	*0.28*	2.18	**2.46**	4.8	0.47	0.56	0.03	<0.02	<0.1	0.18	1.01	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	16 Nov 2020	0908_MW169_D_201116	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.33	**0.39**	0.79	0.08	0.06	<0.02	<0.02	<0.1	0.03	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	18 May 2021	0908_MW169D_210518	Normal	NSW_0908_PFASOMP		<0.01	*0.09*	0.43	**0.52**	1.08	0.12	0.09	<0.02	0.04	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.1	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	16 Nov 2021	0908_MW169D_211116	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.21	**0.29**	0.58	0.08	0.04	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	19 May 2022	0908_MW169D_220519	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.1	**0.18**	0.24	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_MW169D_221109	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.12	**0.18**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_QC113_221109	Field_D	NSW_0908_PFASOMP		<0.01	*0.08*	0.19	**0.27**	0.37	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_QC213_221109	Interlab_D	NSW_0908_PFASOMP		<0.01	*0.06*	0.16	**0.22**	0.32	0.02	0.03	<0.01	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169D	10 May 2023	0908_MW169D_230510	Normal	NSW_0908_PFASOMP_23		<0.01	*0.06*	0.06	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_MW169D_231122	Normal	NSW_0908_PFASOMP_23		<0.01	*0.04*	0.05	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_QC106_231122	Field_D	NSW_0908_PFASOMP_23		<0.01	*0.04*	0.05	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_QC206_231122	Interlab_D	NSW_0908_PFASOMP_23		<0.01	*0.04*	0.05	**0.09**	0.11	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169D	17 Apr 2024	0908_MW169D_240417	Normal	NSW_0908_PFASOMP_24		<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	13 Jan 2016	MW169S_13012016	Normal	NSW_0908_PFAS		0.05	*0.2*	-	**0.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW169S	02 Sep 2016	MW169S_020916	Normal	NSW_0908_PFAS		0.01	*0.2*	0.4	**0.6**	-	0.02	-	-	<0.01	<0.05	0.02	0.13	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW169S	12 Oct 2016	MW169S_121016	Normal	NSW_0908_PFAS		0.01	*0.23*	0.38	**0.61**	-	0.02	-	-	<0.01	<0.05	0.02	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	16 Jan 2017	MW169S_160117	Normal	ACTNSW_Hist_202012-3		0.06	*0.11*	0.51	**0.62**	-	0.02	-	-	<0.01	<0.05	0.03	0.19	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	16 Jan 2017	MW169S_160117	Normal	NSW_0908_PFAS		0.06	*0.11*	0.51	**0.62**	-	0.02	-	-	<0.01	<0.05	0.03	0.19	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water					**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW169S	17 Jan 2017	MW169S_GW_17012017	Normal	NSW_0908_PFAS	0.08	*0.16*	0.68	**0.84**	1.4	<0.02	0.05	0.1	<0.02	<0.1	0.05	0.22	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	03 May 2017	MW169S_030517	Normal	ACTNSW_Hist_202012-3	0.05	*0.18*	0.88	**1.06**	-	0.07	0.07	0.06	<0.01	<0.05	0.03	0.17	0.03	<0.01	0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW169S	05 Sep 2018	0908_MW169S_180905	Normal	NSW_0908_PFASMGMT	0.06	*0.08*	0.86	**0.94**	1.27	0.02	0.03	0.05	<0.02	<0.1	0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	22 Jan 2019	0908_MW169S_190122	Normal	NSW_0908_PFASMGMT	0.03	*0.05*	0.56	**0.61**	1.23	0.02	0.02	0.05	<0.02	0.4	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	30 May 2019	0908_MW169S_190530	Normal	NSW_0908_PFAS	0.03	*0.17*	0.35	**0.52**	0.69	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	24 Sep 2019	0908_MW169S_190924	Normal	NSW_0908_PFASMGMT	0.02	*0.1*	0.46	**0.56**	0.72	<0.02	0.03	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	06 Nov 2019	0908_MW169S_191107	Normal	NSW_0908_PFASOMP	0.02	*0.15*	0.37	**0.52**	0.62	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	13 May 2020	0908_MW169S_200513	Normal	NSW_0908_PFASOMP	<0.05	*0.31*	0.26	**0.57**	0.62	<0.05	<0.05	0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW169S	16 Nov 2020	0908_MW169_S_201116	Normal	NSW_0908_PFASOMP	<0.01	*0.13*	0.21	**0.34**	0.39	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	18 May 2021	0908_MW169S_210518	Normal	NSW_0908_PFASOMP	0.02	*0.11*	0.27	**0.38**	0.57	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	16 Nov 2021	0908_MW169S_211116	Normal	NSW_0908_PFASOMP	0.01	*0.11*	0.15	**0.26**	0.42	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	19 May 2022	0908_MW169S_220519	Normal	NSW_0908_PFASOMP	0.01	*0.12*	0.13	**0.25**	0.37	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	09 Nov 2022	0908_MW169S_221109	Normal	NSW_0908_PFASOMP	0.01	*0.08*	0.15	**0.23**	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	10 May 2023	0908_MW169S_230510	Normal	NSW_0908_PFASOMP_23	<0.01	*0.07*	0.16	**0.23**	0.3	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	22 Nov 2023	0908_MW169S_231122	Normal	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.14	**0.18**	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	17 Apr 2024	0908_MW169S_240417	Normal	NSW_0908_PFASOMP_24	<0.01	*0.07*	0.25	**0.32**	0.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	15 Jan 2016	MW171D_15012016	Normal	NSW_0908_PFAS	0.12	*4.97*	-	**4.97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW171D	31 Aug 2016	MW171D_310816	Normal	NSW_0908_PFAS	0.03	*2.2*	0.47	**2.67**	-	0.03	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW171D	12 Oct 2016	MW171D_121016	Normal	NSW_0908_PFAS	0.02	*1.5*	0.41	**1.91**	-	0.06	-	-	<0.01	<0.05	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171D	13 Jan 2017	MW171D_130117	Normal	ACTNSW_Hist_202012-3	0.02	*1.1*	0.33	**1.43**	-	0.08	-	-	<0.01	<0.05	0.02	0.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171D	24 Jan 2017	MW171D_GW_24012017	Normal	NSW_0908_PFAS	0.01	*0.18*	0.61	**0.79**	1.34	0.18	0.17	<0.02	<0.02	<0.1	0.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	24 Jan 2017	MW171D_GW_25012017	Normal	NSW_0908_PFAS	<0.01	<0.01	0.42	**0.42**	2.69	0.64	0.37	<0.02	<0.02	<0.1	0.21	1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	03 May 2017	MW171D_030517	Normal	ACTNSW_Hist_202012-3	0.03	*1.8*	0.74	**2.54**	-	<0.01	0.17	0.07	<0.01	<0.05	0.05	0.22	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW171D	04 Apr 2018	MW171D_GW_04042018	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.5	**0.57**	1.15	0.16	0.18	<0.02	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	22 Nov 2018	0908_MW171D_181122	Normal	NSW_0908_PFAS	0.02	*0.99*	0.2	**1.19**	1.68	<0.02	<0.02	0.03	<0.02	0.4	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	30 May 2019	0908_MW171D_190530	Normal	NSW_0908_PFAS	0.03	*2.23*	0.35	**2.58**	2.77	0.04	0.03	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	25 Oct 2019	0908_MW171D_191025	Normal	NSW_0908_PFASMGMT	0.09	*2.93*	1	**3.93**	4.36	0.02	0.03	0.14	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	15 May 2020	0908_MW171D_200515	Normal	NSW_0908_PFASOMP	0.07	*0.47*	0.73	**1.2**	1.5	<0.02	0.02	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	17 May 2021	0908_MW171D_210517	Normal	NSW_0908_PFASOMP	0.03	*0.03*	0.48	**0.51**	0.84	0.08	0.08	0.03	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	19 May 2022	0908_MW171D_220519	Normal	NSW_0908_PFASOMP	0.01	*0.01*	0.93	**0.94**	2.07	0.33	0.3	<0.02	<0.02	<0.1	0.08	0.38	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	10 May 2023	0908_MW171D_230510	Normal	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.47	**0.51**	1	0.14	0.12	<0.02	<0.02	<0.1	0.05	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	17 Apr 2024	0908_MW171D_240417	Normal	NSW_0908_PFASOMP_24	0.03	*0.04*	1.48	**1.52**	3.56	0.5	0.41	<0.02	<0.02	<0.1	0.14	0.64	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	15 Jan 2016	MW171S_15012016	Normal	NSW_0908_PFAS	0.22	*0.89*	-	**0.89**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW171S	31 Aug 2016	MW171S_310816	Normal	NSW_0908_PFAS	0.23	*1.6*	2.6	**4.2**	-	0.27	-	-	<0.01	<0.05	0.05	0.38	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW171S	12 Oct 2016	MW171S_121016	Normal	NSW_0908_PFAS	0.25	*2.5*	2.5	**5**	-	0.17	-	-	<0.01	<0.05	0.06	0.44	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171S	13 Jan 2017	MW171S_130117	Normal	ACTNSW_Hist_202012-3	0.32	*2.9*	2	**4.9**	-	0.16	-	-	<0.01	0.09	0.1	0.64	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171S	24 Jan 2017	MW171S_GW_24012017	Normal	NSW_0908_PFAS	**0.64**	*4.65*	5.45	**10.1**	14.4	0.42	0.48	1.14	<0.02	<0.1	0.26	1.22	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	03 May 2017	MW171S_030517	Normal	ACTNSW_Hist_202012-3	0.21	*1.7*	2.9	**4.6**	-	0.2	0.19	0.3	<0.01	<0.05	0.11	0.49	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW171S	04 Apr 2018	MW171S_GW_04042018	Normal	NSW_0908_PFAS	0.14	*2.26*	2.38	**4.64**	5.69	0.05	0.12	0.3	<0.02	<0.1	0.04	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	09 Aug 2018	0908_MW171S_180809	Normal	NSW_0908_PFASMGMT	0.14	*2.05*	1.94	**3.99**	5.02	0.09	0.13	0.33	<0.02	<0.1	0.03	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	05 Sep 2018	0908_HW171S_180905	Normal	NSW_0908_PFASMGMT	0.1	*1.1*	1.92	**3.02**	3.65	0.05	0.1	0.23	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	03 Oct 2018	0908_MW171S_181003	Normal	NSW_0908_PFASMGMT	0.17	*2.09*	2.66	**4.75**	5.95	0.08	0.13	0.28	<0.02	<0.1	0.06	0.42	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	22 Nov 2018	0908_MW171S_181122	Normal	NSW_0908_PFAS	0.3	*1.89*	2.67	**4.56**	5.4	0.04	0.06	0.24	<0.02	<0.1	<0.02	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	22 Jan 2019	0908_MW171S_190122	Normal	NSW_0908_PFASMGMT	0.2	*1.8*	2.79	**4.59**	5.75	0.06	0.08	0.51	<0.02	<0.1	0.03	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_MW171S_190401	Normal	NSW_0908_PFASMGMT	0.11	*9.91*	2.11	**12**	13	0.09	0.08	0.4	<0.02	<0.1	0.03	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_QC101_190401	Field_D	NSW_0908_PFASMGMT	0.1	*9.56*	1.96	**11.5**	12.4	0.09	0.07	0.38	<0.02	<0.1	0.03	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_QC201_190401	Interlab_D	NSW_0908_PFASMGMT	0.063	*8.6*	1.7	**10.3**	-	0.049	0.056	0.27	<0.01	<0.05	0.025	0.11	0.029	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	20 Jun 2019	0908_MW171S_190620	Normal	NSW_0908_PFAS	0.06	*1.83*	0.74	**2.57**	2.84	<0.02	0.02	0.14	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2019	0908_MW171S_190924	Normal	NSW_0908_PFASMGMT	0.07	*1.03*	0.96	**1.99**	2.34	0.03	0.06	0.12	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	25 Oct 2019	0908_MW171S_191025	Normal	NSW_0908_PFASMGMT	0.02	*1.02*	0.31	**1.33**	1.43	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_MW171s_191129	Normal	NSW_0908_PFASMGMT	0.03	*0.65*	0.21	**0.86**	0.96	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_QC100_191129	Field_D	NSW_0908_PFASMGMT	0.03	*0.69*	0.21	**0.9**	1	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_QC200_191129	Interlab_D	NSW_0908_PFASMGMT	0.02	<0.02	0.19	**0.19**	-	<0.01	<0.01	0.047	<0.01	<0.05	<0.02	0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	13 Mar 2020	0908_MW171S_200316	Normal	NSW_0908_PFASMGMT	0.04	*0.56*	0.62	**1.18**	1.43	<0.02	0.03	0.12	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	15 May 2020	0908_MW171S_200515	Normal	NSW_0908_PFASOMP	0.06	*1.74*	0.72	**2.46**	2.72	0.04	0.03	0.07	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	23 Jun 2020	0908_MW171S_200623	Normal	NSW_0908_PFASMGMT	0.06	*0.32*	0.43	**0.75**	1.06	0.02	0.02	0.11	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	23 Jun 2020	0908_QC101_200623	Field_D	NSW_0908_PFASMGMT	0.06	*0.32*	0.4	**0.72**	1	<0.02	0.02	0.1	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	30 Sep 2020	0908_MW171S_200930	Normal	NSW_0908_PFASMGMT	0.03	*0.31*	0.46	**0.77**	1	0.03	0.05	0.07	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	30 Sep 2020	0908_QC100_200930	Field_D	NSW_0908_PFASMGMT	0.04	*0.46*	0.66	**1.12**	1.44	0.05	0.07	0.09	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides							
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																																
MW171S	30 Sep 2020	0908_QC200_200930	Interlab_D	NSW_0908_PFASMGMT		0.031	*0.23*	0.43	**0.66**	-	0.035	0.042	0.045	<0.01	<0.05	<0.02	0.047	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	13 Jan 2021	0908_MW171_S_210113	Normal	NSW_0908_PFASMGMT		0.03	*0.72*	0.25	**0.97**	1.16	0.02	0.05	0.07	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	26 Mar 2021	0908_MW171_S_210326	Normal	NSW_0908_PFASMGMT		0.03	*0.31*	0.18	**0.49**	0.62	0.03	0.03	0.04	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	17 May 2021	0908_MW171S_210517	Normal	NSW_0908_PFASOMP		0.06	*0.66*	0.39	**1.05**	1.42	0.03	0.03	0.09	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Jun 2021	0908_MW171S_210624	Normal	NSW_0908_PFASMGMT		0.06	*0.48*	0.28	**0.76**	1	<0.02	<0.02	0.07	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2021	0908_MW171S_210924	Normal	NSW_0908_PFASMGMT		0.11	*0.73*	0.25	**0.98**	1.26	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2021	0908_QC201_210924	Interlab_D	NSW_0908_PFASMGMT		0.12	*0.82*	0.24	**1.1**	1.4	<0.01	0.01	0.12	<0.02	<0.02	<0.02	0.06	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	12 Jan 2022	0908_MW171S_220112	Normal	NSW_0908_PFASMGMT		0.15	*0.65*	0.43	**1.08**	1.37	<0.02	<0.02	0.12	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Jan 2022	0908_QC100_220112	Field_D	NSW_0908_PFASMGMT		0.16	*0.65*	0.45	**1.1**	1.42	<0.02	<0.02	0.13	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Jan 2022	0908_QC200_220112	Interlab_D	NSW_0908_PFASMGMT		0.13	*0.48*	0.44	**0.92**	1.2	<0.01	0.02	0.1	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	14 Mar 2022	0908_MW171S_220314	Normal	NSW_0908_PFASMGMT		0.14	*0.76*	0.47	**1.23**	1.59	<0.02	0.04	0.15	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	14 Mar 2022	0908_QC100_220314	Field_D	NSW_0908_PFASMGMT		0.12	*0.69*	0.45	**1.14**	1.45	<0.02	0.03	0.14	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	14 Mar 2022	0908_QC200_220314	Interlab_D	NSW_0908_PFASMGMT		0.13	*0.66*	0.52	**1.2**	1.5	0.01	0.03	0.15	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	19 May 2022	0908_MW171S_220519	Normal	NSW_0908_PFASOMP		0.09	*0.87*	0.58	**1.45**	1.82	0.02	0.03	0.19	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	21 Jun 2022	0908_MW171S_220621	Normal	NSW_0908_PFASMGMT		0.08	*1.49*	0.65	**2.14**	2.55	<0.02	0.03	0.26	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	21 Jun 2022	0908_QC201_220621	Interlab_D	NSW_0908_PFASMGMT		0.08	*1.9*	0.53	**2.4**	2.8	0.01	0.03	0.24	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	12 Sep 2022	0908_MW171S_220912	Normal	NSW_0908_PFASMGMT		0.06	*1.16*	0.8	**1.96**	2.41	0.03	0.06	0.17	<0.02	<0.1	0.03	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Sep 2022	0908_QC100_220912	Field_D	NSW_0908_PFASMGMT		0.05	*1.21*	0.84	**2.05**	2.46	0.03	0.06	0.16	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	10 May 2023	0908_MW171S_230510	Normal	NSW_0908_PFASOMP_23		0.07	*0.63*	0.79	**1.42**	1.83	0.04	0.06	0.15	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	17 Apr 2024	0908_MW171S_240417	Normal	NSW_0908_PFASOMP_24		0.04	*0.46*	0.61	**1.07**	1.43	0.03	0.04	0.21	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	14 Jan 2016	MW172_14012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW172	14 Jan 2016	QC102_WG_14012016	Field_D	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW172	02 Sep 2016	MW172_020916	Normal	NSW_0908_PFAS		<0.01	*0.1*	0.03	**0.13**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW172	12 Oct 2016	MW172_121016	Normal	NSW_0908_PFAS		<0.01	*0.05*	0.02	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	16 Jan 2017	MW172_160117	Normal	ACTNSW_Hist_202012-3		<0.01	*0.03*	0.03	0.06	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	16 Jan 2017	MW172_160117	Normal	NSW_0908_PFAS		<0.01	*0.03*	0.03	0.06	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	25 Jan 2017	MW172_GW_25012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	03 May 2017	MW172_030517	Normal	ACTNSW_Hist_202012-3		<0.01	*0.31*	0.12	**0.43**	-	0.06	0.04	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW172	09 Aug 2018	0908_MW172_180809	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	05 Sep 2018	0908_MW172_180905	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	03 Oct 2018	0908_MW172_181003	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2018	0908_MW172_181129	Normal	NSW_0908_PFAS		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2018	0908_MW172_181129	Normal	NSW_0908_PFAS		-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW172	23 Jan 2019	0908_MW172_190123	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	0.06	0.06	0.16	0.05	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	02 Apr 2019	0908_MW172_190402	Normal	NSW_0908_PFASMGMT		<0.01	*0.04*	0.18	**0.22**	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 May 2019	0908_MW172_190530	Normal	NSW_0908_PFAS		<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 May 2019	0908_MW172_190530	Normal	NSW_0908_PFAS		-	-	-	**0.1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW172	20 Jun 2019	0908_MW172_190620	Normal	NSW_0908_PFASMGMT		<0.01	*0.02*	0.06	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2019	0908_MW172_190924	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	06 Nov 2019	0908_MW172_191107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_MW172_191129	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	0.08	**0.08**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_QC101_191129	Field_D	NSW_0908_PFASMGMT		<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_QC201_191129	Interlab_D	NSW_0908_PFASMGMT		<0.01	<0.02	0.073	**0.073**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW172	13 Mar 2020	0908_MW172_200313	Normal	NSW_0908_PFASMGMT		<0.01	*0.03*	0.16	**0.19**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	15 May 2020	0908_MW172_200515	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.09	**0.09**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Jun 2020	0908_MW172_200622	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_MW172_200930	Normal	NSW_0908_PFASMGMT		<0.01	*0.01*	0.81	**0.82**	0.9	0.02	0.06	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_QC101_200930	Field_D	NSW_0908_PFASMGMT		0.01	*0.02*	1.25	**1.27**	1.42	0.04	0.1	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_QC201_200930	Interlab_D	NSW_0908_PFASMGMT		<0.01	<0.02	0.8	**0.8**	-	0.023	0.05	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW172	16 Nov 2020	0908_MW172_201116	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.25	**0.25**	0.33	0.04	0.04	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	14 Jan 2021	0908_MW172_210114	Normal	NSW_0908_PFASMGMT		<0.01	<0.01	0.42	**0.42**	0.51	0.03	0.06	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	26 Mar 2021	0908_MW172_210326	Normal	NSW_0908_PFASMGMT		0.12	*0.07*	1.08	**1.15**	1.61	0.04	0.07	0.02	<0.02	<0.1	0.03	0.14	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	17 May 2021	0908_MW172_210517	Normal	NSW_0908_PFASOMP		0.1	*0.05*	1.98	**2.03**	2.96	0.1	0.16	<0.02	<0.02	<0.1	0.06	0.44	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Jun 2021	0908_MW172_210624	Normal	NSW_0908_PFASMGMT		0.02	*0.02*	0.4	**0.42**	0.52	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_MW172_210924	Normal	NSW_0908_PFASMGMT		0.01	*0.01*	0.15	**0.16**	0.34	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_QC102_210924	Field_D	NSW_0908_PFASMGMT		<0.01	<0.01	0.12	**0.12**	0.27	0.06	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_QC202_210924	Interlab_D	NSW_0908_PFASMGMT		<0.01	<0.01	0.1	**0.1**	0.27	0.07	0.05	<0.01	<0.02	0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW172	10 Nov 2021	0908_MW172_211110	Normal	NSW_0908_PFASOMP		0.01	*0.05*	0.21	**0.26**	0.49	0.09	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	12 Jan 2022	0908_MW172_220112	Normal	NSW_0908_PFASMGMT		0.02	*0.02*	0.41	**0.43**	0.74	0.06	0.06	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water					**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW172	16 Mar 2022	0908_MW172_220316	Normal	NSW_0908_PFASMGMT	0.08	*0.05*	1.04	**1.09**	1.98	0.03	0.06	<0.02	<0.02	0.2	0.17	0.32	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	19 May 2022	0908_MW172_220519	Normal	NSW_0908_PFASOMP	0.05	*0.05*	1.28	**1.33**	2.22	0.17	0.26	<0.02	<0.02	0.1	0.09	0.2	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Jun 2022	0908_MW172_220622	Normal	NSW_0908_PFASMGMT	0.14	*0.15*	1.88	**2.03**	2.67	0.1	0.13	0.03	<0.02	<0.1	0.04	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	13 Sep 2022	0908_MW172_220913	Normal	NSW_0908_PFASMGMT	0.03	*0.05*	1.06	**1.11**	1.34	0.02	0.04	<0.02	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_MW172_221110	Normal	NSW_0908_PFASOMP	0.01	*0.02*	0.48	**0.5**	0.69	0.03	0.04	<0.02	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_QC105_221110	Field_D	NSW_0908_PFASOMP	0.01	*0.04*	0.54	**0.58**	0.78	0.03	0.05	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_QC205_221110	Interlab_D	NSW_0908_PFASOMP	<0.01	*0.02*	0.42	**0.44**	0.59	0.03	0.04	<0.01	<0.02	<0.02	0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW172	10 May 2023	0908_MW172_230510	Normal	NSW_0908_PFASOMP_23	0.03	*0.07*	0.92	**0.99**	1.92	0.05	0.08	<0.02	<0.02	0.2	0.44	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Nov 2023	0908_MW172_231122	Normal	NSW_0908_PFASOMP_23	0.03	*0.04*	0.45	**0.49**	0.94	0.11	0.15	<0.02	<0.02	<0.1	<0.02	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	17 Apr 2024	0908_MW172_240417	Normal	NSW_0908_PFASOMP_24	0.02	*0.03*	0.69	**0.72**	1.23	0.14	0.2	<0.02	<0.02	<0.1	<0.02	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	15 Jan 2016	MW175D_15012016	Normal	NSW_0908_PFAS	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW175D	29 Aug 2016	MW175D_290816	Normal	NSW_0908_PFAS	<0.01	*0.33*	0.09	**0.42**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW175D	19 Oct 2016	MW175D_191016	Normal	NSW_0908_PFAS	<0.01	*0.67*	0.09	**0.76**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW175D	19 Dec 2016	MW175D_GW_19122016	Normal	NSW_0908_PFAS	0.02	*3.01*	0.19	**3.2**	3.29	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	20 Dec 2016	MW175D_GW_20122016	Normal	NSW_0908_PFAS	0.02	*3.01*	0.19	**3.2**	3.29	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	12 Jan 2017	MW175D_120117	Normal	ACTNSW_Hist_202012-3	0.02	*2.6*	0.21	**2.81**	-	0.02	-	-	<0.01	<0.05	<0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW175D	24 Jan 2017	MW175D_GW_24012017	Normal	NSW_0908_PFAS	0.09	*3.49*	0.76	**4.25**	4.81	0.06	0.08	0.09	<0.02	<0.1	0.04	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	24 Jan 2017	QC717_24012017	Field_D	NSW_0908_PFAS	0.08	*3.8*	0.71	**4.51**	5.05	0.06	0.08	0.08	<0.02	<0.1	0.04	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	02 May 2017	MW175D_020517	Normal	ACTNSW_Hist_202012-3	0.03	*1.4*	0.33	**1.73**	-	0.02	0.03	0.04	<0.01	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW175D	20 Apr 2018	MW175D_GW_20042018	Normal	NSW_0908_PFAS	0.05	*2.5*	0.43	**2.93**	3.23	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	14 Sep 2018	0908_MW175D_180914	Normal	NSW_0908_PFASMGMT	0.2	*8.67*	1.77	**10.4**	12	0.13	0.16	0.22	<0.02	<0.1	0.09	0.67	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	29 Nov 2018	0908_MW175D_181129	Normal	NSW_0908_PFAS	0.08	*4.43*	0.77	**5.2**	5.75	0.06	0.07	0.06	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	31 May 2019	0908_MW175D_190531	Normal	NSW_0908_PFAS	0.08	*8.3*	0.6	**8.9**	9.43	0.05	0.06	0.08	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	08 Nov 2019	0908_MW175D_191108	Normal	NSW_0908_PFASOMP	0.06	*2*	0.65	**2.65**	3.25	0.08	0.09	0.05	<0.02	<0.1	0.05	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	11 May 2020	0908_MW175D_200511	Normal	NSW_0908_PFASOMP	0.1	*4.07*	0.83	**4.9**	5.74	0.06	0.1	0.09	<0.02	<0.1	0.06	0.3	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.1	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 Nov 2020	0908_MW175_D_201117	Normal	NSW_0908_PFASOMP	0.06	*3.99*	0.64	**4.63**	5.16	0.05	0.06	0.06	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 May 2021	0908_MW175D_210517	Normal	NSW_0908_PFASOMP	0.04	*1.24*	0.46	**1.7**	2.11	0.05	0.07	0.03	<0.02	<0.1	<0.02	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	16 Nov 2021	0908_MW175D_211116	Normal	NSW_0908_PFASOMP	0.03	*2.1*	0.4	**2.5**	2.89	0.05	0.05	0.03	<0.02	<0.1	0.03	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	16 Nov 2021	0908_QC108_211116	Field_D	NSW_0908_PFASOMP	0.04	*2.4*	0.44	**2.84**	3.27	0.05	0.05	0.03	<0.02	<0.1	0.04	0.2	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	19 May 2022	0908_MW175D_220519	Normal	NSW_0908_PFASOMP	0.05	*3.45*	0.76	**4.21**	4.81	0.06	0.08	0.04	<0.02	<0.1	0.08	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 Nov 2022	0908_MW175D_221110	Normal	NSW_0908_PFASOMP	0.07	*4.43*	1.13	**5.56**	6.31	0.07	0.13	0.07	<0.02	<0.1	0.08	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 May 2023	0908_MW175D_230510	Normal	NSW_0908_PFASOMP_23	0.07	*4.61*	1.05	**5.66**	6.32	0.07	0.1	0.04	<0.02	<0.1	0.07	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 May 2023	0908_QC119_230510	Field_D	NSW_0908_PFASOMP_23	0.08	*4.13*	1.13	**5.26**	6.18	0.12	0.12	0.08	<0.02	<0.1	0.12	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	22 Nov 2023	0908_MW175D_231122	Normal	NSW_0908_PFASOMP_23	0.1	*3.36*	1.03	**4.39**	5.3	0.06	0.08	0.06	<0.02	<0.1	0.12	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 Apr 2024	0908_MW175D_240417	Normal	NSW_0908_PFASOMP_24	0.1	*3.69*	1.04	**4.73**	5.66	0.07	0.1	0.06	<0.02	<0.1	0.12	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Feb 2016	MW178_26022016	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Feb 2016	QC142_WG_26022016	Field_D	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW178	10 Jan 2017	MW178_GW_10012017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	27 Mar 2018	MW178_GW_27032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Nov 2018	0908_MW178_181126	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	21 May 2019	0908_MW178_190521	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	07 Nov 2019	0908_MW178_191107	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	04 Jun 2020	0908_MW178_200604	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	24 Nov 2020	0908_MW178_201124	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	19 May 2021	0908_MW178_210519	Normal	NSW_0908_PFASOMP	<0.01	*0.08*	0.12	**0.2**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	15 Nov 2021	0908_MW178_211115	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	0.11	**0.13**	0.26	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	15 Nov 2021	0908_QC107_211115	Field_D	NSW_0908_PFASOMP	<0.01	*0.03*	0.13	**0.16**	0.28	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	01 Jun 2022	0908_MW178_220601	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.1	**0.14**	0.23	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	09 Nov 2022	0908_MW178_221109	Normal	NSW_0908_PFASOMP	<0.01	*0.11*	0.3	**0.41**	0.65	0.06	0.08	<0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_MW178_230517	Normal	NSW_0908_PFASOMP_23	<0.01	*0.08*	0.15	**0.23**	0.35	0.05	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_QC118_230517	Field_D	NSW_0908_PFASOMP_23	<0.01	*0.1*	0.18	**0.28**	0.44	0.06	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_QC218_230517	Interlab_D	NSW_0908_PFASOMP_23	<0.01	*0.08*	0.24	**0.32**	0.5	0.05	0.06	<0.01	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW178	21 Nov 2023	0908_MW178_231121	Normal	NSW_0908_PFASOMP_23	0.01	*0.1*	0.34	**0.44**	0.8	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.14	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	22 Apr 2024	0908_MW178_240422	Normal	NSW_0908_PFASOMP_24	<0.01	*0.07*	0.08	**0.15**	0.21	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	20 Jan 2016	MW179D_20012016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179D	30 Aug 2016	MW179D_300816	Normal	NSW_0908_PFAS	<0.01	*0.02*	0.33	**0.35**	-	0.04	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW179D	18 Oct 2016	MW179D_181016	Normal	NSW_0908_PFAS	<0.01	<0.01	0.34	**0.34**	-	0.05	-	-	<0.01	<0.05	0.01	0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	16 Jan 2017	MW179D_160117	Normal	ACTNSW_Hist_202012-3	<0.01	<0.01	0.4	**0.4**	-	0.05	-	-	<0.01	<0.05	0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	16 Jan 2017	MW179D_160117	Normal	NSW_0908_PFAS	<0.01	<0.01	0.4	**0.4**	-	0.05	-	-	<0.01	<0.05	0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW179D	19 Jan 2017	MW179D_GW_19012017	Normal	NSW_0908_PFAS		<0.01	<0.01	0.55	**0.55**	0.76	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 Jan 2017	QC715_GW_19012017	Field_D	NSW_0908_PFAS		0.01	*0.34*	0.22	**0.56**	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	04 May 2017	MW179D_040517	Normal	ACTNSW_Hist_202012-3		<0.01	<0.01	0.45	**0.45**	-	0.1	0.08	<0.01	<0.01	<0.05	0.02	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	NSW_0908_PFAS		<0.01	<0.01	0.56	**0.56**	0.9	0.13	0.11	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	NSW_0908_PFAS		-	-	-	**0.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	NSW_0908_PFAS		<0.01	<0.01	0.68	**0.68**	1.19	0.19	0.13	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	NSW_0908_PFAS		-	-	-	**0.69**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW179D	22 Nov 2018	0908_MW179D_181122	Normal	NSW_0908_PFAS		<0.01	*0.01*	0.36	**0.37**	0.68	0.13	0.08	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	30 May 2019	0908_MW179D_190530	Normal	NSW_0908_PFAS		<0.01	*0.02*	0.4	**0.42**	0.75	0.12	0.08	<0.02	<0.02	<0.1	0.03	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	08 Nov 2019	0908_MW179D_191108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.43	**0.43**	0.71	0.09	0.08	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	13 May 2020	0908_MW179D_200513	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.36	**0.36**	0.54	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	17 Nov 2020	0908_MW179_D_201117	Normal	NSW_0908_PFASOMP		0.01	<0.01	0.28	**0.28**	0.41	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	17 May 2021	0908_MW179D_210517	Normal	NSW_0908_PFASOMP		0.02	<0.01	0.41	**0.41**	0.63	0.04	0.05	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	16 Nov 2021	0908_MW179D_211116	Normal	NSW_0908_PFASOMP		0.02	<0.01	0.46	**0.46**	0.69	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 May 2022	0908_MW179D_220519	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	10 Nov 2022	0908_MW179D_221110	Normal	NSW_0908_PFASOMP		0.04	*0.28*	0.86	**1.14**	1.68	0.08	0.12	0.03	<0.02	<0.1	0.05	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	10 May 2023	0908_MW179D_230510	Normal	NSW_0908_PFASOMP_23		0.06	*1.17*	1.33	**2.5**	3.25	0.13	0.19	0.06	<0.02	<0.1	0.06	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	22 Nov 2023	0908_MW179D_231122	Normal	NSW_0908_PFASOMP_23		0.06	*3.69*	1.31	**5**	5.58	0.05	0.08	0.06	<0.02	<0.1	0.08	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	18 Apr 2024	0908_MW179D_240418	Normal	NSW_0908_PFASOMP_24		0.02	*0.19*	0.8	**0.99**	1.49	0.1	0.14	<0.02	<0.02	<0.1	0.04	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	20 Jan 2016	MW179S_20012016	Normal	NSW_0908_PFAS		0.02	*0.11*	-	**0.11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179S	20 Jan 2016	QC108_WG_20012016	Field_D	NSW_0908_PFAS		0.04	*0.13*	-	**0.13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179S	30 Aug 2016	MW179S_300816	Normal	NSW_0908_PFAS		0.02	*0.2*	0.24	**0.44**	-	0.01	-	-	<0.01	<0.05	0.01	0.09	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW179S	15 Sep 2016	MW179S_150916	Normal	NSW_0908_PFAS		0.025	*0.25*	0.23	**0.48**	-	0.016	0.026	0.014	<0.01	<0.5	0.013	0.051	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW179S	18 Oct 2016	MW179S_181016	Normal	NSW_0908_PFAS		0.04	*0.09*	0.62	**0.71**	-	0.03	-	-	<0.01	<0.05	0.03	0.16	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	16 Jan 2017	MW179S_160117	Normal	ACTNSW_Hist_202012-3		0.01	*0.09*	0.21	**0.3**	-	0.02	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	16 Jan 2017	MW179S_160117	Normal	NSW_0908_PFAS		0.01	*0.09*	0.21	**0.3**	-	0.02	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	19 Jan 2017	MW179S_GW_19012017	Normal	NSW_0908_PFAS		0.01	*0.08*	0.26	**0.34**	0.42	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	04 May 2017	MW179S_040517	Normal	ACTNSW_Hist_202012-3		0.06	*0.17*	1.2	**1.37**	-	0.08	0.1	0.03	<0.01	<0.05	0.05	0.25	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW179S	19 Apr 2018	MW179S_GW_19042018	Normal	NSW_0908_PFAS		0.06	*0.46*	1.67	**2.13**	3.13	0.17	0.24	0.03	<0.02	<0.1	0.09	0.38	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	22 Nov 2018	0908_MW179S_181122	Normal	NSW_0908_PFAS		0.05	*0.46*	0.83	**1.29**	1.67	0.08	0.09	0.06	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	30 May 2019	0908_MW179S_190530	Normal	NSW_0908_PFAS		0.02	*0.59*	0.74	**1.33**	1.65	0.08	0.12	0.03	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	08 Nov 2019	0908_MW179S_191108	Normal	NSW_0908_PFASOMP		0.04	*0.55*	1.51	**2.06**	2.8	0.19	0.24	0.04	<0.02	<0.1	0.04	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	13 May 2020	0908_MW179S_200513	Normal	NSW_0908_PFASOMP		0.05	*0.14*	1.98	**2.12**	3.03	0.14	0.3	0.02	<0.02	<0.1	0.04	0.3	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	17 Nov 2020	0908_MW179_S_201117	Normal	NSW_0908_PFASOMP		0.04	*0.52*	1.68	**2.2**	2.49	0.06	0.09	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	17 May 2021	0908_MW179S_210517	Normal	NSW_0908_PFASOMP		0.34	*0.26*	4.84	**5.1**	7.44	0.16	0.38	0.05	<0.02	0.1	0.19	0.85	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	16 Nov 2021	0908_MW179S_211116	Normal	NSW_0908_PFASOMP		0.29	*0.14*	1.19	**1.33**	2.39	0.04	0.08	0.02	<0.02	0.1	0.1	0.35	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	19 May 2022	0908_MW179S_220519	Normal	NSW_0908_PFASOMP		0.44	*0.22*	1.67	**1.89**	3.04	0.05	0.09	0.02	<0.02	0.1	0.11	0.27	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	10 Nov 2022	0908_MW179S_221110	Normal	NSW_0908_PFASOMP		0.12	*0.19*	0.61	**0.8**	1.19	<0.02	0.02	<0.02	<0.02	<0.1	0.08	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	10 May 2023	0908_MW179S_230510	Normal	NSW_0908_PFASOMP_23		0.37	*0.24*	1.52	**1.76**	2.93	0.04	0.09	0.03	<0.02	0.1	0.14	0.33	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	22 Nov 2023	0908_MW179S_231122	Normal	NSW_0908_PFASOMP_23		0.07	*0.17*	0.37	**0.54**	0.95	<0.02	<0.02	<0.02	<0.02	<0.1	0.09	0.23	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	18 Apr 2024	0908_MW179S_240418	Normal	NSW_0908_PFASOMP_24		0.2	*3.61*	1.65	**5.26**	6.34	0.06	0.11	0.14	<0.02	<0.1	0.12	0.36	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	02 Mar 2017	MW184D_170302	Normal	NSW_0908_PFAS		**1.16**	*41*	9.78	**50.78**	58.8	1.57	1.11	1.61	<0.02	0.2	0.44	1.72	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	02 Mar 2017	MW184D_170302	Normal	NSW_0908_PFAS		-	-	-	**50.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	NSW_0908_PFAS		0.52	*30.2*	3.97	**34.17**	37.8	0.38	0.48	0.69	<0.02	0.2	0.18	1.09	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	NSW_0908_PFAS		-	-	-	**34.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184D	27 May 2020	0908_MW184D_200527	Normal	NSW_0908_PFASOMP		0.52	*21.8*	5.36	**27.2**	31.1	0.45	0.57	0.72	<0.02	0.1	0.16	1.24	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	13 May 2021	0908_MW184D_210513	Normal	NSW_0908_PFASOMP		0.14	*5.36*	1.7	**7.06**	8.26	0.14	0.17	0.18	<0.02	<0.1	0.07	0.43	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	13 May 2021	0908_QC200_210513	Interlab_D	NSW_0908_PFASOMP		0.13	*4.2*	1.3	**5.5**	-	0.11	0.12	0.11	<0.01	0.059	0.058	0.3	0.052	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW184D	17 May 2022	0908_MW184D_220517	Normal	NSW_0908_PFASOMP		0.16	*5.22*	1.46	**6.68**	7.77	0.11	0.16	0.14	<0.02	<0.1	0.06	0.38	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	17 May 2023	0908_MW184D_230517	Normal	NSW_0908_PFASOMP_23		0.15	*4.43*	1.6	**6.03**	7.03	0.1	0.14	0.16	<0.02	<0.1	0.06	0.34	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	24 Apr 2024	0908_MW184D_240424	Normal	NSW_0908_PFASOMP_24		0.18	*5.87*	1.56	**7.43**	8.66	0.12	0.16	0.16	<0.02	<0.1	0.06	0.4	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	02 Mar 2017	MW184S_170302	Normal	NSW_0908_PFAS		**0.8**	*23.4*	10.4	**33.8**	40.9	1.16	0.96	1.07	<0.02	0.3	0.65	1.84	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	NSW_0908_PFAS		0.29	*20.1*	2.62	**22.7**	24.8	0.17	0.23	0.33	<0.02	0.1	0.15	0.72	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	NSW_0908_PFAS		-	-	-	**22.72**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184S	27 May 2020	0908_MW184S_200527	Normal	NSW_0908_PFASOMP		0.04	*5.52*	0.52	**6.04**	6.29	0.04	0.05	0.06	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	13 May 2021	0908_MW184S_210513	Normal	NSW_0908_PFASOMP		0.05	*2.68*	1.27	**3.95**	4.39	0.08	0.1	0.09	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	13 May 2021	0908_QC100_210513	Field_D	NSW_0908_PFASOMP		0.05	*2.63*	1.25	**3.88**	4.32	0.08	0.1	0.09	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	17 May 2022	0908_MW184S_220517	Normal	NSW_0908_PFASOMP		0.03	*2.8*	1.19	**3.99**	4.34	0.08	0.1	0.06	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	17 May 2023	0908_MW184S_230517	Normal	NSW_0908_PFASOMP_23		0.08	*8.82*	1.1	**9.92**	10.4	0.06	0.07	0.11	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids												PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water							**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																													
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																																	
MW184S	24 Apr 2024	0908_MW184S_240424	Normal	NSW_0908_PFASOMP_24	0.01	*1.82*	0.34	**2.16**	2.26	0.03	0.03	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	19 Dec 2016	MW188D_GW_19122016	Normal	NSW_0908_PFAS	0.07	*0.72*	0.52	**1.24**	1.61	0.08	0.05	0.03	<0.02	<0.1	0.02	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	03 Feb 2017	MW188D_GW_03022017	Normal	NSW_0908_PFAS	0.14	*0.91*	1.31	**2.22**	3.28	0.22	0.23	0.09	<0.01	<0.1	0.06	0.27	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.02
MW188D	27 Mar 2018	MW188D_GW_27032018	Normal	NSW_0908_PFAS	0.08	*0.66*	0.73	**1.39**	2.08	0.15	0.1	0.06	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	20 Nov 2018	0908_MW188D_181120	Normal	NSW_0908_PFAS	0.07	*0.38*	0.41	**0.79**	1.25	0.09	0.06	0.03	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	22 May 2019	0908_MW188D_190522	Normal	NSW_0908_PFAS	0.08	*0.55*	0.72	**1.27**	1.87	0.12	0.1	0.05	<0.02	<0.1	0.03	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	13 May 2020	0908_MW188D_200513	Normal	NSW_0908_PFASOMP	0.25	*5.41*	3.11	**8.52**	11.2	0.58	0.52	0.34	<0.02	<0.1	0.12	0.7	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	12 May 2021	0908_MW188D_210512	Normal	NSW_0908_PFASOMP	0.05	*0.99*	0.71	**1.7**	2.14	0.11	0.08	0.08	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	18 Apr 2024	0908_MW188D_240418	Normal	NSW_0908_PFASOMP_24	0.19	*3.41*	1.88	**5.29**	7.03	0.27	0.23	0.22	<0.02	<0.1	0.09	0.5	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	22 Jan 2016	MW188_22012016	Normal	NSW_0908_PFAS	0.09	*0.49*	<0.02	**0.49**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW188S	22 Jan 2016	QC111_WG_22012016	Field_D	NSW_0908_PFAS	0.08	*0.5*	<0.02	**0.5**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW188S	19 Dec 2016	MW188S_GW_19122016	Normal	NSW_0908_PFAS	0.02	*0.91*	0.24	**1.15**	1.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	03 Feb 2017	MW188S_GW_03022017	Normal	NSW_0908_PFAS	0.04	*0.66*	0.16	**0.82**	0.9	0.01	<0.01	0.01	<0.01	<0.1	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.02
MW188S	27 Mar 2018	MW188S_GW_27032018	Normal	NSW_0908_PFAS	0.02	*0.34*	0.05	**0.39**	0.41	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	20 Nov 2018	0908_MW188S_181120	Normal	NSW_0908_PFAS	<0.01	*0.68*	0.17	**0.85**	0.85	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	21 May 2019	0908_MW188S_190521	Normal	NSW_0908_PFAS	<0.01	*0.19*	0.04	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	13 May 2020	0908_MW188S_200513	Normal	NSW_0908_PFASOMP	0.08	*3.14*	0.66	**3.8**	4.4	0.1	0.09	0.07	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	12 May 2021	0908_MW188S_210512	Normal	NSW_0908_PFASOMP	0.09	*2.93*	0.82	**3.75**	4.5	0.12	0.09	0.09	<0.02	<0.1	0.07	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	31 May 2022	0908_MW188S_220531	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	11 May 2023	0908_MW188S_230511	Normal	NSW_0908_PFASOMP_23	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	16 Apr 2024	0908_MW188S_240416	Normal	NSW_0908_PFASOMP_24	0.01	*0.14*	0.11	**0.25**	0.3	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Jan 2016	MW195_27012016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
MW195	09 Feb 2017	MW195_GW_09022017	Normal	NSW_0908_PFAS	<0.01	<0.01	0.07	0.07	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Mar 2018	MW195_GW_27032018	Normal	NSW_0908_PFAS	0.02	*0.17*	0.16	**0.33**	0.46	0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Nov 2018	0908_MW195_181127	Normal	NSW_0908_PFAS	0.01	*0.06*	0.22	**0.28**	0.39	0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 May 2019	0908_MW195_190527	Normal	NSW_0908_PFAS	0.01	*0.05*	0.18	**0.23**	0.29	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	13 May 2020	0908_MW195_200513	Normal	NSW_0908_PFASOMP	0.02	*0.08*	0.22	**0.3**	0.42	0.03	<0.02	<0.02	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	12 May 2021	0908_MW195_210512	Normal	NSW_0908_PFASOMP	<0.01	*0.05*	0.07	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	16 May 2022	0908_MW195_220516	Normal	NSW_0908_PFASOMP	0.01	*0.05*	0.09	**0.14**	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	09 May 2023	0908_MW195_230509	Normal	NSW_0908_PFASOMP_23	0.01	*0.1*	0.1	**0.2**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	16 Apr 2024	0908_MW195_240416	Normal	NSW_0908_PFASOMP_24	<0.01	*0.07*	0.11	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	13 Jan 2016	MW196_13012016	Normal	NSW_0908_PFAS	**0.68**	*35.6*	11.9	**47.5**	-	0.18	-	-	<0.02	-	-	0.88	0.22	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW196	05 Sep 2016	MW196_050916	Normal	NSW_0908_PFAS	0.17	*18*	1.8	**19.8**	-	0.04	-	-	<0.01	<0.05	0.04	0.22	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW196	15 Sep 2016	MW196_150916	Normal	NSW_0908_PFAS	0.19	*15*	1.3	**16.3**	-	0.035	0.052	0.15	<0.01	<0.5	0.03	0.17	0.037	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW196	18 Jan 2017	MW196_GW_18012017	Normal	NSW_0908_PFAS	0.42	*22.3*	2.67	**24.97**	26.6	0.12	0.17	0.29	<0.02	<0.1	0.1	0.39	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	18 Jan 2017	MW196_GW_18012017	Normal	NSW_0908_PFAS	-	-	-	**25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	20 Apr 2018	MW196_GW_20042018	Normal	NSW_0908_PFAS	0.24	*19*	2.35	**21.4**	22.4	0.04	0.08	0.19	<0.02	<0.1	0.08	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	20 Apr 2018	MW196_GW_20042018	Normal	NSW_0908_PFAS	-	-	-	**21.35**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	30 Nov 2018	0908_MW196_181130	Normal	NSW_0908_PFAS	0.05	*6.94*	1.03	**7.97**	8.24	<0.02	0.02	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	29 May 2019	0908_MW196_190529	Normal	NSW_0908_PFAS	0.22	*13.7*	2.54	**16.2**	17.1	0.04	0.08	0.15	<0.02	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	29 May 2019	0908_MW196_190529	Normal	NSW_0908_PFAS	-	-	-	**16.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	06 Nov 2019	0908_MW196_191107	Normal	NSW_0908_PFASOMP	0.32	*13.6*	3.04	**16.6**	17.8	0.04	0.08	0.22	<0.02	<0.1	0.08	0.39	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	22 May 2020	0908_MW196_200522	Normal	NSW_0908_PFASOMP	0.35	*17.2*	3.3	**20.5**	21.9	0.04	0.09	0.25	<0.02	<0.1	0.1	0.5	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_MW196_201126	Normal	NSW_0908_PFASOMP	0.13	*9.81*	1.7	**11.5**	12.2	0.02	0.06	0.11	<0.02	<0.1	0.05	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_QC105_201126	Field_D	NSW_0908_PFASOMP	0.07	*2.46*	1.43	**3.89**	4.47	0.06	0.13	0.1	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_QC205_201126	Interlab_D	NSW_0908_PFASOMP	0.049	*1.7*	1.4	**3.1**	-	0.048	0.083	0.053	<0.01	<0.05	0.035	0.11	0.013	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW196	19 May 2021	0908_MW196_210519	Normal	NSW_0908_PFASOMP	0.19	*19.8*	1.77	**21.6**	22.3	0.02	0.05	0.16	<0.02	<0.1	0.04	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	10 Nov 2021	0908_MW196_211110	Normal	NSW_0908_PFASOMP	0.21	*23.1*	1.53	**24.6**	25.6	0.02	0.04	0.15	<0.02	<0.1	0.07	0.38	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	30 May 2022	0908_MW196_220530	Normal	NSW_0908_PFASOMP	0.06	*7.36*	0.4	**7.76**	8.02	<0.02	<0.02	0.06	<0.02	<0.1	0.02	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	09 Nov 2022	0908_MW196_221109	Normal	NSW_0908_PFASOMP	0.06	*3.83*	0.25	**4.08**	4.23	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	10 May 2023	0908_MW196_230510	Normal	NSW_0908_PFASOMP_23	0.1	*13.9*	0.56	**14.5**	14.8	<0.02	<0.02	0.07	<0.02	<0.1	0.03	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	22 Nov 2023	0908_MW196_231122	Normal	NSW_0908_PFASOMP_23	0.1	*9*	0.52	**9.52**	9.9	<0.02	<0.02	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	17 Apr 2024	0908_MW196_240417	Normal	NSW_0908_PFASOMP_24	0.11	*10.9*	0.7	**11.6**	12.1	<0.02	0.03	0.1	<0.02	<0.1	0.04	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	13 Jan 2016	MW198_13012016	Normal	NSW_0908_PFAS	0.02	*0.71*	-	**0.71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-	-
MW198	05 Sep 2016	MW198_050916	Normal	NSW_0908_PFAS	0.02	*1.9*	0.96	**2.86**	-	0.04	-	-	<0.01	<0.05	0.03	0.11	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW198	20 Oct 2016	MW198_201016	Normal	NSW_0908_PFAS	0.03	*1.7*	0.82	**2.52**	-	0.04	-	-	<0.01	<0.05	0.02	0.1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW198	16 Jan 2017	MW198_GW_16012017	Normal	NSW_0908_PFAS	0.21	*4.36*	2.63	**6.99**	8.46	0.12	0.23	0.24	<0.02	<0.1	0.13	0.42	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	16 Jan 2017	QC714_GW_16012017	Field_D	NSW_0908_PFAS	0.21	*4.31*	2.64	**6.95**	8.47	0.13	0.28	0.24	<0.02	<0.1	0.13	0.41	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	18 Jan 2017	MW198_180117	Normal	ACTNSW_Hist_202012-3	0.12	*3.3*	1.9	**5.2**	-	0.09	-	-	<0.01	0.06	0.06	0.33	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW198	05 May 2017	MW198_050517	Normal	ACTNSW_Hist_202012-3		0.09	*2.8*	3.1	**5.9**	-	0.16	0.32	0.2	<0.01	0.06	0.08	0.35	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.07	<0.01	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05
MW198	20 Apr 2018	MW198_GW_20042018	Normal	NSW_0908_PFAS		**0.59**	*18.3*	6.15	**24.4**	26.8	0.15	0.27	0.5	<0.02	<0.1	0.14	0.62	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	20 Apr 2018	MW198_GW_20042018	Normal	NSW_0908_PFAS		-	-	-	**24.45**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	30 Nov 2018	0908_MW198_181130	Normal	NSW_0908_PFAS		0.12	*18.2*	3.56	**21.8**	23.2	0.14	0.23	0.17	<0.02	<0.1	0.13	0.61	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 Nov 2018	0908_MW198_181130	Normal	NSW_0908_PFAS		-	-	-	**21.76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	29 May 2019	0908_MW198_190529	Normal	NSW_0908_PFAS		0.32	*13.6*	2.91	**16.5**	17.8	0.08	0.16	0.34	<0.02	<0.1	0.06	0.27	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	29 May 2019	0908_MW198_190529	Normal	NSW_0908_PFAS		-	-	-	**16.51**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	06 Nov 2019	0908_MW198_191107	Normal	NSW_0908_PFASOMP		0.23	*6.29*	3.39	**9.68**	11.2	0.15	0.28	0.3	<0.02	<0.1	0.1	0.39	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	22 May 2020	0908_MW198_200522	Normal	NSW_0908_PFASOMP		0.1	*6.2*	1.86	**8.06**	8.84	0.08	0.14	0.15	<0.02	<0.1	0.08	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	26 Nov 2020	0908_MW198_201126	Normal	NSW_0908_PFASOMP		0.06	*2.16*	1.42	**3.58**	4.1	0.05	0.12	0.08	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	19 May 2021	0908_MW198_210519	Normal	NSW_0908_PFASOMP		0.11	*3.26*	2.67	**5.93**	7.26	0.14	0.28	0.14	<0.02	0.1	0.11	0.4	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	10 Nov 2021	0908_MW198_211110	Normal	NSW_0908_PFASOMP		0.16	*6.07*	5.53	**11.6**	13.4	0.22	0.45	0.22	<0.02	<0.1	0.1	0.61	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 May 2022	0908_MW198_220530	Normal	NSW_0908_PFASOMP		0.08	*3.42*	3.46	**6.88**	7.88	0.08	0.27	0.16	<0.02	<0.1	0.06	0.3	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 May 2022	0908_QC117_220530	Field_D	NSW_0908_PFASOMP		0.14	*4.44*	4.6	**9.04**	10.4	0.1	0.36	0.21	<0.02	<0.1	0.07	0.42	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	09 Nov 2022	0908_MW198_221109	Normal	NSW_0908_PFASOMP		0.08	*4.39*	2.64	**7.03**	7.55	0.04	0.15	0.11	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	10 May 2023	0908_MW198_230510	Normal	NSW_0908_PFASOMP_23		0.04	*3.3*	1.84	**5.14**	5.33	<0.02	0.07	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	22 Nov 2023	0908_MW198_231122	Normal	NSW_0908_PFASOMP_23		0.14	*7.35*	0.6	**7.95**	8.35	<0.02	0.04	0.08	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	18 Apr 2024	0908_MW198_240418	Normal	NSW_0908_PFASOMP_24		0.1	*3.32*	1.58	**4.9**	5.56	0.06	0.11	0.12	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	14 Jan 2016	MW200_14012016	Normal	NSW_0908_PFAS		<0.01	*0.14*	-	**0.14**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW200	05 Sep 2016	MW200_050916	Normal	NSW_0908_PFAS		<0.01	*0.27*	0.15	**0.42**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW200	21 Oct 2016	MW200_211016	Normal	NSW_0908_PFAS		<0.01	*0.19*	0.07	**0.26**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW200	18 Jan 2017	MW200_180117	Normal	ACTNSW_Hist_202012-3		<0.01	*0.27*	0.09	**0.36**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW200	18 Jan 2017	MW200_GW_18012017	Normal	NSW_0908_PFAS		0.01	*0.33*	0.24	**0.57**	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	18 Jan 2017	QC715_GW_18012017	Field_D	NSW_0908_PFAS		<0.01	<0.01	0.45	**0.45**	0.66	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	05 May 2017	MW200_050517	Normal	ACTNSW_Hist_202012-3		0.01	*0.39*	0.2	**0.59**	-	0.01	0.02	<0.01	<0.01	<0.05	0.02	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.12	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW200	29 May 2019	0908_MW200_190529	Normal	NSW_0908_PFAS		<0.01	*0.26*	0.04	**0.3**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	22 May 2020	0908_MW200_200522	Normal	NSW_0908_PFASOMP		<0.01	*0.27*	0.04	**0.31**	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	19 May 2021	0908_MW200_210519	Normal	NSW_0908_PFASOMP		<0.01	*0.2*	<0.02	**0.2**	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	30 May 2022	0908_MW200_220530	Normal	NSW_0908_PFASOMP		<0.01	*0.4*	0.06	**0.46**	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	10 May 2023	0908_MW200_230510	Normal	NSW_0908_PFASOMP_23		<0.01	*0.23*	0.04	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	17 Apr 2024	0908_MW200_240417	Normal	NSW_0908_PFASOMP_24		<0.01	*0.27*	0.2	**0.47**	0.51	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	21 Jan 2016	MW201D_21012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW201D	05 Sep 2016	MW201D_050916	Normal	NSW_0908_PFAS		<0.01	<0.01	0.16	**0.16**	-	0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW201D	21 Oct 2016	MW201D_211016	Normal	NSW_0908_PFAS		<0.01	*0.02*	0.07	**0.09**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201D	18 Jan 2017	MW201D_180117	Normal	ACTNSW_Hist_202012-3		<0.01	*0.06*	0.08	**0.14**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201D	18 Jan 2017	MW201D_GW_18012017	Normal	NSW_0908_PFAS		<0.01	<0.01	0.1	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	05 May 2017	MW201D_050517	Normal	ACTNSW_Hist_202012-3		<0.01	*0.02*	0.06	**0.08**	-	0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW201D	29 May 2019	0908_MW201D_190529	Normal	NSW_0908_PFAS		<0.01	*0.11*	0.45	**0.56**	0.66	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	22 May 2020	0908_MW201D_200522	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.38	**0.46**	0.55	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	30 May 2022	0908_MW201D_220530	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	10 May 2023	0908_MW201D_230510	Normal	NSW_0908_PFASOMP_23		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	17 Apr 2024	0908_MW201D_240417	Normal	NSW_0908_PFASOMP_24		0.05	*5.34*	0.58	**5.92**	6.23	0.02	0.04	0.11	<0.02	<0.1	0.03	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	21 Jan 2016	MW201S_21012016	Normal	NSW_0908_PFAS		0.02	*4.12*	-	**4.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW201S	05 Sep 2016	MW201S_050916	Normal	NSW_0908_PFAS		0.02	*3*	0.21	**3.21**	-	0.02	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW201S	15 Sep 2016	MW201S_150916	Normal	NSW_0908_PFAS		0.058	*5.5*	0.49	**5.99**	-	0.045	0.049	0.11	<0.01	<0.5	0.028	0.14	0.017	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW201S	21 Oct 2016	MW201S_211016	Normal	NSW_0908_PFAS		0.07	*4.3*	1.5	**5.8**	-	0.07	-	-	<0.01	<0.05	0.04	0.25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201S	18 Jan 2017	MW201S_180117	Normal	ACTNSW_Hist_202012-3		0.1	*8.7*	1.5	**10.2**	-	0.12	-	-	<0.01	0.06	0.06	0.4	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	NSW_0908_PFAS		0.16	*14.8*	2.58	**17.38**	18.7	0.16	0.16	0.22	<0.02	<0.1	0.13	0.42	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	NSW_0908_PFAS		-	-	-	**17.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW201S	05 May 2017	MW201S_050517	Normal	ACTNSW_Hist_202012-3		0.1	*6.6*	1	**7.6**	-	0.05	0.08	0.18	<0.01	<0.05	0.05	0.18	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW201S	29 May 2019	0908_MW201S_190529	Normal	NSW_0908_PFAS		0.12	*4*	1.96	**5.96**	6.82	0.09	0.15	0.12	<0.02	<0.1	0.08	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	22 May 2020	0908_MW201S_200522	Normal	NSW_0908_PFASOMP		0.35	*17.4*	7.46	**24.9**	27.4	0.15	0.28	0.34	<0.02	0.1	0.24	0.93	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	19 May 2021	0908_MW201S_210519	Normal	NSW_0908_PFASOMP		0.03	*1.49*	0.46	**1.95**	2.15	0.03	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	30 May 2022	0908_MW201S_220530	Normal	NSW_0908_PFASOMP		0.02	*1.76*	0.82	**2.58**	2.71	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	10 May 2023	0908_MW201S_230510	Normal	NSW_0908_PFASOMP_23		0.03	*1.08*	0.48	**1.56**	1.68	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	17 Apr 2024	0908_MW201S_240417	Normal	NSW_0908_PFASOMP_24		0.01	*0.96*	0.28	**1.24**	1.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	20 Jan 2016	MW202D_20012016	Normal	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW202D	31 Aug 2016	MW202D_310816	Normal	NSW_0908_PFAS		<0.01	<0.01	0.04	0.04	-	0.02	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW202D	18 Oct 2016	MW202D_181016	Normal	NSW_0908_PFAS		<0.01	*0.01*	0.03	0.04	-	<0.01	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW202D	18 Jan 2017	MW202D_180117	Normal	ACTNSW_Hist_202012-3		<0.01	*0.03*	0.03	0.06	-	0.01	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202D	18 Jan 2017	MW202D_GW_18012017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	05 May 2017	MW202D_050517	Normal	ACTNSW_Hist_202012-3		<0.01	*0.04*	0.08	**0.12**	-	0.02	0.02	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW202D	04 Apr 2018	MW202D_GW_04042018	Normal	NSW_0908_PFAS		<0.01	*0.07*	0.07	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	04 Apr 2018	QC102_GW_04042018	Field_D	NSW_0908_PFAS		<0.01	*0.08*	0.05	**0.13**	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	04 Apr 2018	QC102_GW_04042018	Interlab_D	NSW_0908_PFAS		<0.01	*0.06*	0.044	**0.104**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	NSW_0908_PFAS		-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW202D	30 May 2019	0908_MW202D_190530	Normal	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	30 May 2019	0908_MW202D_190530	Normal	NSW_0908_PFAS		-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW202D	08 Nov 2019	0908_MW202D_191108	Normal	NSW_0908_PFASOMP		0.02	*0.05*	0.8	**0.85**	1.28	0.09	0.1	<0.02	<0.02	<0.1	0.04	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	29 May 2020	0908_MW202D_200529	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.11	**0.18**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	17 Nov 2020	0908_MW202_D_201117	Normal	NSW_0908_PFASOMP		0.01	*0.18*	0.48	**0.66**	0.94	0.05	0.06	0.02	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	17 May 2021	0908_MW202D_210517	Normal	NSW_0908_PFASOMP		<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	10 Nov 2021	0908_MW202D_211110	Normal	NSW_0908_PFASOMP		<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	19 May 2022	0908_MW202D_220519	Normal	NSW_0908_PFASOMP		<0.01	*0.12*	0.1	**0.22**	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	19 May 2022	0908_QC212_220519	Interlab_D	NSW_0908_PFASOMP		<0.01	*0.11*	0.05	**0.16**	0.16	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW202D	10 Nov 2022	0908_MW202D_221110	Normal	NSW_0908_PFASOMP		<0.01	*0.14*	0.09	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	10 May 2023	0908_MW202D_230510	Normal	NSW_0908_PFASOMP_23		0.02	*0.52*	0.41	**0.93**	1.14	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	22 Nov 2023	0908_MW202D_231122	Normal	NSW_0908_PFASOMP_23		<0.01	*0.13*	0.07	**0.2**	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	18 Apr 2024	0908_MW202D_240418	Normal	NSW_0908_PFASOMP_24		0.01	*0.22*	0.33	**0.55**	0.7	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	20 Jan 2016	MW202S_20012016	Normal	NSW_0908_PFAS		<0.01	*0.28*	-	**0.28**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW202S	31 Aug 2016	MW202S_310816	Normal	NSW_0908_PFAS		0.02	*1*	0.43	**1.43**	-	0.01	-	-	<0.01	<0.05	0.02	0.12	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW202S	15 Sep 2016	MW202S_150916	Normal	NSW_0908_PFAS		0.03	*0.82*	0.37	**1.19**	-	0.019	0.033	0.032	<0.01	<0.5	0.025	0.073	0.011	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW202S	18 Oct 2016	MW202S_181016	Normal	NSW_0908_PFAS		0.03	*1.9*	0.55	**2.45**	-	0.02	-	-	<0.01	<0.05	0.02	0.11	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	18 Jan 2017	MW202S_180117	Normal	ACTNSW_Hist_202012-3		0.03	*1.3*	0.37	**1.67**	-	0.01	-	-	<0.01	<0.05	0.02	0.07	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	18 Jan 2017	MW202S_GW_18012017	Normal	NSW_0908_PFAS		0.02	*0.45*	0.23	**0.68**	0.76	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	18 Jan 2017	QC113_180117	Field_D	ACTNSW_Hist_202012-3		0.03	*0.76*	0.2	**0.96**	-	<0.01	-	-	<0.01	<0.05	0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	MW202S_150217	Normal	ACTNSW_Hist_202012-3		0.02	*0.53*	0.13	**0.66**	-	<0.01	-	-	<0.01	<0.05	0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	MW202S_150217	Normal	NSW_0908_PFAS		0.02	*0.53*	0.13	**0.66**	-	<0.01	-	-	<0.01	<0.05	0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	QC118_150217	Field_D	ACTNSW_Hist_202012-3		0.02	*0.6*	0.09	**0.69**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	05 May 2017	MW202S_050517	Normal	ACTNSW_Hist_202012-3		0.02	*0.69*	0.35	**1.04**	-	0.02	0.03	0.02	<0.01	<0.05	0.02	0.06	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW202S	04 Apr 2018	MW202S_GW_04042018	Normal	NSW_0908_PFAS		<0.01	*0.15*	0.05	**0.2**	0.3	<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	22 Nov 2018	0908_MW202S_181122	Normal	NSW_0908_PFAS		<0.01	*0.8*	0.16	**0.96**	0.96	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	30 May 2019	0908_MW202S_190530	Normal	NSW_0908_PFAS		0.01	*1.38*	0.08	**1.46**	1.47	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	08 Nov 2019	0908_MW202S_191108	Normal	NSW_0908_PFASOMP		0.01	*0.81*	0.14	**0.95**	0.96	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	24 May 2021	0908_MW202S_210524	Normal	NSW_0908_PFASOMP		<0.01	*0.61*	0.3	**0.91**	0.94	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 Nov 2021	0908_MW202S_211110	Normal	NSW_0908_PFASOMP		0.02	*0.34*	0.11	**0.45**	0.55	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	19 May 2022	0908_MW202S_220519	Normal	NSW_0908_PFASOMP		0.01	*0.65*	0.41	**1.06**	1.17	<0.02	0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	19 May 2022	0908_QC112_220519	Field_D	NSW_0908_PFASOMP		0.01	*0.71*	0.41	**1.12**	1.22	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 Nov 2022	0908_MW202S_221110	Normal	NSW_0908_PFASOMP		0.02	*0.44*	0.34	**0.78**	0.85	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 May 2023	0908_MW202S_230510	Normal	NSW_0908_PFASOMP_23		<0.01	*0.2*	0.1	**0.3**	0.3	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	22 Nov 2023	0908_MW202S_231122	Normal	NSW_0908_PFASOMP_23		0.02	*0.25*	0.34	**0.59**	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	18 Apr 2024	0908_MW202S_240418	Normal	NSW_0908_PFASOMP_24		0.01	*0.6*	0.27	**0.87**	0.93	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	27 Jan 2016	MW208_27012016	Normal	NSW_0908_PFAS		0.1	*13.2*	-	**13.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW208	27 Jan 2016	QC114_WG_27012016	Interlab_D	NSW_0908_PFAS		0.082	*12*	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW208	26 Aug 2016	MW208_260816	Normal	NSW_0908_PFAS		0.23	*13*	2.8	**15.8**	-	0.16	-	-	<0.01	0.1	0.22	2.2	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW208	18 Oct 2016	MW208_181016	Normal	NSW_0908_PFAS		0.2	*12*	11	**23**	-	0.1	-	-	<0.01	0.06	0.12	0.97	0.62	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	18 Oct 2016	QC103_181016	Field_D	NSW_0908_PFAS		0.17	*10*	9.4	**19.4**	-	0.1	-	-	<0.01	<0.05	0.11	0.79	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	17 Jan 2017	MW208_170117	Normal	ACTNSW_Hist_202012-3		0.35	*13*	4.1	**17.1**	-	0.05	-	-	<0.01	0.07	0.06	0.44	0.08	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	17 Jan 2017	MW208_170117	Normal	NSW_0908_PFAS		0.35	*13*	4.1	**17.1**	-	0.05	-	-	<0.01	0.07	0.06	0.44	0.08	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	19 Jan 2017	MW208_GW_170119	Normal	NSW_0908_PFAS		0.32	*8.8*	7.72	**16.5**	18.1	0.13	0.16	0.28	<0.02	<0.1	0.1	0.53	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	19 Jan 2017	MW208_GW_170119	Normal	NSW_0908_PFAS		-	-	-	**16.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW208	09 May 2017	MW208_090517	Normal	ACTNSW_Hist_202012-3		**0.92**	*17*	5.7	**22.7**	-	0.11	0.18	0.34	<0.01	0.22	0.3	0.84	0.34	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05
MW208	28 May 2019	0908_MW208_190528	Normal	NSW_0908_PFAS		0.12	*8.37*	1.94	**10.3**	11	0.02	0.04	0.21	<0.02	<0.1	0.05	0.19	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	28 May 2019	0908_MW208_190528	Normal	NSW_0908_PFAS		-	-	-	**10.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW208	17 Oct 2019	0908_MW208_191017	Normal	NSW_0908_PFASMGMT		0.1	*6.98*	1.13	**8.11**	8.72	0.04	0.07	0.13	<0.02	<0.1	0.07	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	06 Nov 2019	0908_MW208_191106	Normal	NSW_0908_PFASOMP		0.09	*6.86*	1.3	**8.16**	8.85	0.04	0.05	0.12	<0.02	<0.1	0.09	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	12 May 2020	0908_MW208_200512	Normal	NSW_0908_PFASOMP		0.1	*7.06*	1.17	**8.23**	8.75	0.03	0.04	0.21	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW208	17 Nov 2020	0908_MW208_201117	Normal	NSW_0908_PFASOMP	0.54	*21.7*	5.67	**27.4**	31.2	0.14	0.42	1.16	<0.02	0.1	0.26	1	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	14 May 2021	0908_MW208_210514	Normal	NSW_0908_PFASOMP	0.18	*9.62*	2.8	**12.4**	16	0.67	0.7	0.19	<0.02	0.1	0.38	1.22	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 Nov 2021	0908_MW208_211108	Normal	NSW_0908_PFASOMP	0.27	*11.7*	4.05	**15.8**	20.5	0.24	0.35	0.15	<0.02	0.2	0.3	1.8	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	1.29	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	24 May 2022	0908_MW208_220524	Normal	NSW_0908_PFASOMP	0.36	*24.1*	5.11	**29.2**	31.1	0.07	0.17	0.53	<0.02	0.1	0.09	0.43	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 Nov 2022	0908_MW208_221108	Normal	NSW_0908_PFASOMP	0.39	*8.3*	5.31	**13.6**	15.8	0.14	0.15	0.6	<0.02	0.1	0.14	0.56	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 May 2023	0908_MW208_230508	Normal	NSW_0908_PFASOMP_23	0.26	*11*	2.87	**13.9**	15.9	0.08	0.15	0.61	<0.02	<0.1	0.16	0.58	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	23 Nov 2023	0908_MW208_231123	Normal	NSW_0908_PFASOMP_23	0.18	*9.08*	2.01	**11.1**	12.4	0.06	0.06	0.23	<0.02	<0.1	0.15	0.33	0.09	0.16	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	17 Apr 2024	0908_MW208_240417	Normal	NSW_0908_PFASOMP_24	0.24	*21.6*	4.8	**26.4**	28	0.07	0.12	0.42	<0.02	<0.1	0.17	0.32	0.09	0.16	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	18 Jan 2016	MW210D_18012016	Normal	NSW_0908_PFAS	0.02	<0.01	0.5	**0.5**	-	0.67	-	-	<0.02	-	-	0.66	0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW210D	26 Aug 2016	MW210D_260816	Normal	NSW_0908_PFAS	<0.01	*0.02*	0.38	**0.4**	-	0.29	-	-	<0.01	<0.05	0.06	0.42	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW210D	17 Oct 2016	MW210D_171016	Normal	NSW_0908_PFAS	<0.01	*0.02*	0.46	**0.48**	-	0.38	-	-	<0.01	0.06	0.08	0.41	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	13 Jan 2017	MW210D_GW_13012017	Normal	NSW_0908_PFAS	<0.01	<0.01	0.35	**0.35**	1.1	0.48	0.11	<0.02	<0.02	<0.1	0.09	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	13 Jan 2017	QC712_GW_13012017	Field_D	NSW_0908_PFAS	<0.01	<0.01	0.31	**0.31**	1.05	0.48	0.1	<0.02	<0.02	<0.1	0.1	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	16 Jan 2017	MW210D_160117	Normal	ACTNSW_Hist_202012-3	<0.01	<0.01	0.27	**0.27**	-	0.22	-	-	<0.01	<0.05	0.04	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	16 Jan 2017	MW210D_160117	Normal	NSW_0908_PFAS	<0.01	<0.01	0.27	**0.27**	-	0.22	-	-	<0.01	<0.05	0.04	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	08 May 2017	MW210D_080517	Normal	ACTNSW_Hist_202012-3	<0.01	*0.02*	0.41	**0.43**	-	0.35	0.18	<0.01	<0.01	<0.05	0.07	0.31	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW210D	28 May 2019	0908_MW210D_190528	Normal	NSW_0908_PFAS	<0.01	*0.09*	0.34	**0.43**	1.28	0.28	0.19	<0.02	<0.02	<0.1	0.08	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	12 May 2020	0908_MW210D_200512	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.38	0.09	0.03	<0.02	<0.02	0.1	0.03	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	14 May 2021	0908_MW210D_210514	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.05	0.05	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	24 May 2022	0908_MW210D_220524	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	24 May 2022	0908_QC214_220524	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.07	0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW210D	08 May 2023	0908_MW210D_230508	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	17 Apr 2024	0908_MW210D_240417	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	18 Jan 2016	MW210S_18012016	Normal	NSW_0908_PFAS	0.19	*10.5*	2.32	**12.82**	-	0.32	-	-	<0.02	-	-	0.71	0.12	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW210S	26 Aug 2016	MW210S_260816	Normal	NSW_0908_PFAS	0.1	*15*	1.4	**16.4**	-	0.15	-	-	<0.01	<0.05	0.04	0.55	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW210S	17 Oct 2016	MW210S_171016	Normal	NSW_0908_PFAS	0.08	*19*	1.6	**20.6**	-	0.19	-	-	<0.01	<0.05	0.05	0.59	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	NSW_0908_PFAS	0.15	*15.6*	1.24	**16.8**	17.6	0.23	0.09	0.12	<0.02	<0.1	0.1	0.08	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	NSW_0908_PFAS	-	-	-	**16.84**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	NSW_0908_PFAS	0.15	*15.2*	1.43	**16.6**	17.5	0.23	0.12	0.13	<0.02	<0.1	0.1	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	NSW_0908_PFAS	-	-	-	**16.63**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW210S	16 Jan 2017	MW210S_160117	Normal	ACTNSW_Hist_202012-3	0.09	*8.6*	1.6	**10.2**	-	0.18	-	-	<0.01	<0.05	0.04	0.37	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	16 Jan 2017	MW210S_160117	Normal	NSW_0908_PFAS	0.09	*8.6*	1.6	**10.2**	-	0.18	-	-	<0.01	<0.05	0.04	0.37	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	08 May 2017	MW210S_080517	Normal	ACTNSW_Hist_202012-3	0.15	*15*	1.8	**16.8**	-	0.21	0.22	0.11	<0.01	0.06	0.09	0.55	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW210S	28 May 2019	0908_MW210S_190528	Normal	NSW_0908_PFAS	0.08	*17.9*	0.7	**18.6**	19.1	0.05	0.06	0.1	<0.02	<0.1	0.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	12 May 2020	0908_MW210S_200512	Normal	NSW_0908_PFASOMP	0.1	*11.4*	1.14	**12.5**	13.4	0.11	0.09	0.08	<0.02	<0.1	0.11	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	12 May 2020	0908_QC100_200512	Field_D	NSW_0908_PFASOMP	0.09	*11.6*	1.15	**12.8**	13.6	0.1	0.1	0.08	<0.02	<0.1	0.11	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	12 May 2020	0908_QC200_200512	Interlab_D	NSW_0908_PFASOMP	0.076	*11*	1.1	**12.1**	-	0.067	0.089	0.065	<0.01	0.08	0.089	0.29	0.049	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.017	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW210S	14 May 2021	0908_MW210S_210514	Normal	NSW_0908_PFASOMP	0.03	*1.1*	0.22	**1.32**	1.44	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	24 May 2022	0908_MW210S_220524	Normal	NSW_0908_PFASOMP	0.08	*1.03*	1.78	**2.81**	4.26	0.15	0.17	0.07	<0.02	0.1	0.09	0.67	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	24 May 2022	0908_QC114_220524	Field_D	NSW_0908_PFASOMP	0.11	*1.15*	1.98	**3.13**	4.79	0.18	0.2	0.08	<0.02	0.1	0.13	0.73	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	08 May 2023	0908_MW210S_230508	Normal	NSW_0908_PFASOMP_23	0.08	*8.59*	0.89	**9.48**	10.2	0.1	0.1	0.07	<0.02	<0.1	0.06	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	17 Apr 2024	0908_MW210S_240417	Normal	NSW_0908_PFASOMP_24	0.08	*14.8*	0.67	**15.5**	16.1	0.05	0.08	0.09	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 Mar 2017	MW230S_GW_150317	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 Mar 2017	QC704_150317	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	03 Jun 2019	0908_MW230S_190603	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	14 Nov 2019	0908_MW230S_191114	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	27 Nov 2020	0908_MW230_S_201127	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	16 May 2022	0908_MW230S_220516	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	14 Nov 2022	0908_MW230S_221114	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 May 2023	0908_MW230S_230515	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	27 Nov 2023	0908_MW230S_231127	Normal	NSW_0908_PFASOMP_23	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	23 Apr 2024	0908_MW230S_240423	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	02 Feb 2017	MW231D_GW_02022017	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.10	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW231D	18 Apr 2018	MW231D_GW_18042018	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231D	06 Jun 2019	0908_MW231D_190606	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231D	27 May 2020	0908_MW231D_200527	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	12 Nov 2020	0908_MW231_D_201112	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	12 Nov 2021	0908_MW231D_211112	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	18 May 2022	0908_MW231D_220518	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
MW231D	14 Nov 2022	0908_MW231D_221114	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	17 May 2023	0908_MW231D_230517	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	28 Nov 2023	0908_MW231D_231128	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	23 Apr 2024	0908_MW231D_240423	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	02 Feb 2017	MW231S_GW_02022017	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.10	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW231S	18 Apr 2018	MW231S_GW_18042018	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231S	06 Jun 2019	0908_MW231S_190606	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231S	27 May 2020	0908_MW231S_200527	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	12 Nov 2020	0908_MW231_S_201112	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	12 Nov 2021	0908_MW231S_211112	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	18 May 2022	0908_MW231S_220518	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	14 Nov 2022	0908_MW231S_221114	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	17 May 2023	0908_MW231S_230517	Normal	NSW_0908_PFASOMP_23		<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	28 Nov 2023	0908_MW231S_231128	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	23 Apr 2024	0908_MW231S_240423	Normal	NSW_0908_PFASOMP_24		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Feb 2017	MW232D_GW_10022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Feb 2017	QC727_GW_10022017	Field_D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Apr 2018	MW232D_GW_10042018	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	06 Dec 2018	0908_MW232D_181206	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	29 May 2019	0908_MW232D_190529	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	08 Nov 2019	0908_MW232D_191108	Normal	NSW_0908_PFASOMP		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	18 May 2020	0908_MW232D_200518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	25 Nov 2020	0908_MW232_D_201125	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	12 May 2021	0908_MW232D_210512	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 Nov 2021	0908_MW232D_211111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 Nov 2021	0908_QC202_211111	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW232D	18 May 2022	0908_MW232D_220518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	18 May 2022	0908_QC207_220518	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW232D	08 Nov 2022	0908_MW232D_221108	Normal	NSW_0908_PFASOMP		<0.01	*0.18*	<0.01	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 May 2023	0908_MW232D_230511	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	24 Nov 2023	0908_MW232D_231124	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	22 Apr 2024	0908_MW232D_240422	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	10 Feb 2017	MW232S_GW_10022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	10 Apr 2018	MW232S_GW_10042018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	06 Dec 2018	0908_MW232S_181206	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	29 May 2019	0908_MW232S_190529	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_MW232S_191108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_QC104_191108	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_QC204_191108	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW232S	18 May 2020	0908_MW232S_200518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	25 Nov 2020	0908_MW232_S_201125	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	12 May 2021	0908_MW232S_210512	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	11 Nov 2021	0908_MW232S_211111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	18 May 2022	0908_MW232S_220518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	18 May 2022	0908_QC107_220518	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2022	0908_MW232S_221108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	11 May 2023	0908_MW232S_230511	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	24 Nov 2023	0908_MW232S_231124	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	22 Apr 2024	0908_MW232S_240422	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	17 Feb 2017	MW238D_GW_17022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	28 Nov 2018	0908_MW238D_181128	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	06 Jun 2019	0908_MW238D_190606	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	08 Nov 2019	0908_MW238D_191108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	27 May 2020	0908_MW238D_200527	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	13 Nov 2020	0908_MW238_D_201113	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	10 May 2021	0908_MW238D_210510	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	11 Nov 2021	0908_MW238D_211111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	16 May 2022	0908_MW238D_220516	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	14 Nov 2022	0908_MW238D_221114	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
MW238D	15 May 2023	0908_MW238D_230515	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	27 Nov 2023	0908_MW238D_231127	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	22 Apr 2024	0908_MW238D_240422	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	17 Feb 2017	MW238S_GW_17022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	28 Nov 2018	0908_MW238S_181128	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	06 Jun 2019	0908_MW238S_190606	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	08 Nov 2019	0908_MW238S_191108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	27 May 2020	0908_MW238S_200527	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	13 Nov 2020	0908_MW238_S_201113	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	10 May 2021	0908_MW238S_210510	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	11 Nov 2021	0908_MW238S_211111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	16 May 2022	0908_MW238S_220516	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	14 Nov 2022	0908_MW238S_221114	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	15 May 2023	0908_MW238S_230515	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	27 Nov 2023	0908_MW238S_231127	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	22 Apr 2024	0908_MW238S_240422	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	20 Mar 2017	MW240D_GW_200317	Normal	NSW_0908_PFAS		<0.01	*0.02*	0.14	**0.16**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	NSW_0908_PFAS		<0.01	<0.01	0.18	**0.18**	0.3	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	NSW_0908_PFAS		-	-	-	**0.19**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	NSW_0908_PFAS		<0.01	<0.01	0.18	**0.18**	0.31	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	NSW_0908_PFAS		-	-	-	**0.19**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	19 Apr 2018	QC204_GW_19042018	Interlab_D	NSW_0908_PFAS		<0.01	<0.02	0.1	**0.12**	-	0.023	0.022	<0.01	<0.01	<0.05	<0.02	0.035	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	NSW_0908_PFAS		0.02	<0.01	0.28	**0.28**	0.48	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	NSW_0908_PFAS		-	-	-	**0.29**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	23 Jan 2019	0908_MW240D_190123	Normal	NSW_0908_PFASMGMT		0.03	<0.01	0.45	**0.45**	0.74	0.08	0.07	<0.02	<0.02	<0.1	<0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	31 May 2019	0908_MW240D_190531	Normal	NSW_0908_PFAS		0.06	*0.02*	0.51	**0.53**	0.78	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.07	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	23 Oct 2019	0908_MW240D_191023	Normal	NSW_0908_PFASMGMT		0.09	*0.09*	0.55	**0.64**	0.99	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	06 Nov 2019	0908_MW240D_191107	Normal	NSW_0908_PFASOMP		0.07	*0.02*	0.49	**0.51**	0.71	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	15 May 2020	0908_MW240D_200515	Normal	NSW_0908_PFASOMP		0.07	*0.05*	0.51	**0.56**	0.78	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	16 Nov 2020	0908_MW240_D_201116	Normal	NSW_0908_PFASOMP		0.04	*0.04*	0.34	**0.38**	0.54	0.03	0.04	<0.02	<0.02	<0.10	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	26 May 2022	0908_MW240D_220526	Normal	NSW_0908_PFASOMP		0.06	*0.04*	0.4	**0.44**	0.6	0.02	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	26 May 2022	0908_QC215_220526	Interlab_D	NSW_0908_PFASOMP		0.05	*0.03*	0.32	**0.35**	0.5	0.02	0.03	0.01	<0.02	<0.02	<0.02	0.03	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW240D	10 Nov 2022	0908_MW240D_221110	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	10 Nov 2022	0908_QC101_221110	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	10 Nov 2022	0908_QC201_221110	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	0.07	0.07	0.07	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW240D	10 May 2023	0908_MW240D_230510	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	22 Nov 2023	0908_MW240D_231122	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	17 Apr 2024	0908_MW240D_240417	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	0.1	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	08 Feb 2017	MW241D_GW_08022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	27 Apr 2018	MW241D_GW_27042018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	27 Nov 2018	0908_MW241D_181127	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_MW241D_190524	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_QC102_190524	Field_D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_QC202_190524	Interlab_D	NSW_0908_PFAS		<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	19 Nov 2019	0908_MW241D_191119	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_MW241D_200520	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.34	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_QC109_200520	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.24	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_QC209_200520	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.2	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	26 Nov 2020	0908_MW241_D_201126	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_MW241D_210520	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.1	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_QC105_210520	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_QC205_210520	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	0.026	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.084	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	15 Nov 2021	0908_MW241D_211115	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2022	0908_MW241D_220524	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	10 Nov 2022	0908_MW241D_221110	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	12 May 2023	0908_MW241D_230512	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Nov 2023	0908_MW241D_231123	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	31 Jul 2024	0908_MW241D_240731	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	08 Feb 2017	MW241S_GW_08022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides							
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water					**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																													
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
MW241S	27 Apr 2018	MW241S_GW_27042018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	27 Nov 2018	0908_MW241S_181127	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	26 Nov 2020	0908_MW241_S_201126	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	20 May 2021	0908_MW241S_210520	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	15 Nov 2021	0908_MW241S_211115	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	24 May 2022	0908_MW241S_220524	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_MW241S_221110	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_QC115_221110	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_QC215_221110	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW241S	12 May 2023	0908_MW241S_230512	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	23 Nov 2023	0908_MW241S_231123	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	31 Jul 2024	0908_MW241S_240731	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	07 Mar 2017	MW245D_GW_070317	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	07 Mar 2017	QC703_GW_070317	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	29 May 2019	0908_MW245D_190529	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	15 May 2020	0908_MW245D_200515	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_MW245D_210524	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_QC107_210524	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_QC207_210524	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW245D	30 May 2022	0908_MW245D_220530	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	10 May 2023	0908_MW245D_230510	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	17 Apr 2024	0908_MW245D_240417	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	07 Mar 2017	MW245S_GW_070317	Normal	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	30 May 2022	0908_MW245S_220530	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	10 May 2023	0908_MW245S_230510	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	17 Apr 2024	0908_MW245S_240417	Normal	NSW_0908_PFASOMP_24	<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	01 Feb 2017	MW247D_GW_01022017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	01 Feb 2017	QC722_GW_01022017	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	28 Feb 2017	MW247D_GW_280217	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	MW247D_GW_12042018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	QC103_GW_12042018	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	QC203_GW_1204218	Interlab_D	NSW_0908_PFAS	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW247D	30 Nov 2018	0908_MW247D_181130	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	31 May 2019	0908_MW247D_190531	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	06 Nov 2019	0908_MW247D_191106	Normal	NSW_0908_PFASOMP	<0.01	*0.03*	<0.02	0.03	0.05	<0.02	<0.02	<0.02	0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	15 May 2020	0908_MW247D_200515	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	24 Nov 2020	0908_MW247_D_201124	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	18 May 2021	0908_MW247D_210518	Normal	NSW_0908_PFASOMP	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Nov 2021	0908_MW247D_211112	Normal	NSW_0908_PFASOMP	<0.01	*0.05*	0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Nov 2021	0908_QC106_211112	Field_D	NSW_0908_PFASOMP	<0.01	*0.05*	0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	18 May 2022	0908_MW247D_220518	Normal	NSW_0908_PFASOMP	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	08 Nov 2022	0908_MW247D_221108	Normal	NSW_0908_PFASOMP	<0.01	*0.07*	0.03	**0.1**	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	08 May 2023	0908_MW247D_230508	Normal	NSW_0908_PFASOMP_23	<0.01	*0.07*	0.04	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	24 Nov 2023	0908_MW247D_231124	Normal	NSW_0908_PFASOMP_23	<0.01	*0.07*	0.04	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	22 Apr 2024	0908_MW247D_240422	Normal	NSW_0908_PFASOMP_24	<0.01	*0.06*	0.04	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	01 Feb 2017	MW247S_GW_01022017	Normal	NSW_0908_PFAS	0.03	*0.21*	0.76	**0.97**	1.43	<0.02	0.09	<0.02	<0.02	<0.1	<0.02	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	01 Feb 2017	QC821_GW_01022017	Interlab_D	NSW_0908_PFAS	0.037	*0.19*	1.1	**1.29**	-	0.057	-	-	<0.02	<0.05	0.042	0.14	0.029	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
MW247S	28 Feb 2017	MW247S_GW_280217	Normal	NSW_0908_PFAS	0.09	*0.27*	1.21	**1.48**	2.1	0.09	0.09	0.06	<0.02	<0.1	0.06	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	12 Apr 2018	MW247S_GW_12042018	Normal	NSW_0908_PFAS	0.06	*1.24*	0.5	**1.74**	2.12	<0.02	0.03	0.06	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	0.06	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	30 Nov 2018	0908_MW247S_181130	Normal	NSW_0908_PFAS	0.02	*0.48*	0.61	**1.09**	1.48	0.06	0.07	0.02	<0.02	<0.1	0.04	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	31 May 2019	0908_MW247S_190531	Normal	NSW_0908_PFAS	0.02	*1.88*	0.29	**2.17**	2.29	<0.02	0.02	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	06 Nov 2019	0908_MW247S_191106	Normal	NSW_0908_PFASOMP	0.02	*1.35*	0.44	**1.79**	2.04	0.04	0.02	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	15 May 2020	0908_MW247S_200515	Normal	NSW_0908_PFASOMP	0.02	*1.93*	0.38	**2.31**	2.46	<0.02	<0.02	0.02	<0.02	<0.1	0.05	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	24 Nov 2020	0908_MW247_S_201124	Normal	NSW_0908_PFASOMP	0.02	*0.93*	0.1	**1.03**	1.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	18 May 2021	0908_MW247S_210518	Normal	NSW_0908_PFASOMP	0.02	*0.55*	1.75	**2.3**	3.01	0.09	0.22	<0.02	<0.02	<0.1	0.03	0.27	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	12 Nov 2021	0908_MW247S_211112	Normal	NSW_0908_PFASOMP	0.04	*0.96*	1.09	**2.05**	2.5	0.07	0.09	0.03	<0.02	<0.1	0.03	0.15	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	18 May 2022	0908_MW247S_220518	Normal	NSW_0908_PFASOMP	0.02	*0.33*	0.7	**1.03**	1.33	0.04	0.05	0.02	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	08 Nov 2022	0908_MW247S_221108	Normal	NSW_0908_PFASOMP	0.02	*0.46*	0.86	**1.32**	1.61	0.05	0.05	0.02	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	08 May 2023	0908_MW247S_230508	Normal	NSW_0908_PFASOMP_23	0.02	*0.24*	0.54	**0.78**	1.02	0.03	0.04	0.02	<0.02	<0.1	0.03	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					**PFAS - Perfluoroalkyl Sulfonic Acids**				**PFAS - Perfluoroalkyl Carboxylic Acids**											**PFAS - (n:2) Fluorotelomer Sulfonic Acids**				**PFAS - Perfluoroalkyl Sulfonamides**							
					Perfluorooctanoic acid (PFOA)	**Perfluorooctane sulfonic acid (PFOS)**	**Perfluorohexane sulfonic acid (PFHxS)**	**Sum of PFHxS and PFOS**	**Sum of PFAS**	**Perfluorobutane sulfonic acid (PFBS)**	**Perfluoropentane sulfonic acid (PFPeS)**	**Perfluoroheptane sulfonic acid (PFHpS)**	**Perfluorodecane sulfonic acid (PFDS)**	**Perfluorobutanoic acid (PFBA)**	**Perfluoropentanoic acid (PFPeA)**	**Perfluorohexanoic acid (PFHxA)**	**Perfluoroheptanoic acid (PFHpA)**	**Perfluorononanoic acid (PFNA)**	**Perfluorodecanoic acid (PFDA)**	**Perfluoroundecanoic acid (PFUnDA)**	**Perfluorododecanoic acid (PFDoDA)**	**Perfluorotridecanoic acid (PFTrDA)**	**Perfluorotetradecanoic acid (PFTeDA)**	**4:2 Fluorotelomer sulfonic acid (4:2 FTS)**	**6:2 Fluorotelomer sulfonic acid (6:2 FTS)**	**8:2 Fluorotelomer sulfonic acid (8:2 FTS)**	**10:2 Fluorotelomer sulfonic acid (10:2 FTS)**	**Perfluorooctane sulfonamide (FOSA)**	**N-Methyl perfluorooctane sulfonamide (MeFOSA)**	**N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)**	**N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)**	**N-Ethyl perfluorooctane sulfonamide (EtFOSA)**	**N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)**	**N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)**
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001		
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																												
PFAS NEMP 2020 Recreational Water					**10**			**2**																												
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																														
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																																
MW247S	24 Nov 2023	0908_MW247S_231124	Normal	NSW_0908_PFASOMP_23	<0.01	*0.23*	0.08	**0.31**	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW247S	22 Apr 2024	0908_MW247S_240422	Normal	NSW_0908_PFASOMP_24	0.01	*0.79*	0.3	**1.09**	1.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	20 Feb 2017	MW252S_GW_200217	Normal	NSW_0908_PFAS	0.06	*3.69*	1.07	**4.76**	5.16	0.06	0.08	0.08	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	27 Apr 2018	MW252S_GW_27042018	Normal	NSW_0908_PFAS	0.03	*3.87*	0.78	**4.65**	4.95	0.05	0.07	0.05	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	30 May 2019	0908_MW252S_190530	Normal	NSW_0908_PFAS	0.02	*2.67*	0.94	**3.61**	3.88	0.06	0.08	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	30 May 2019	0908_QC104_160530	Field_D	NSW_0908_PFAS	0.02	*2.7*	0.97	**3.67**	3.94	0.06	0.08	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	30 May 2019	0908_QC204_190530	Interlab_D	NSW_0908_PFAS	0.019	*3.2*	0.94	**4.14**	-	0.057	0.062	0.031	<0.01	<0.05	<0.02	0.054	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05		
MW252S	19 May 2020	0908_MW252S_200519	Normal	NSW_0908_PFASOMP	0.01	*1.65*	0.69	**2.34**	2.54	0.05	0.06	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	11 May 2023	0908_MW252S_230511	Normal	NSW_0908_PFASOMP_23	0.02	*0.93*	0.39	**1.32**	1.39	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	24 Apr 2024	0908_MW252S_240424	Normal	NSW_0908_PFASOMP_24	<0.01	*0.6*	0.41	**1.01**	1.08	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	24 Apr 2024	0908_QC115_240424	Field_D	NSW_0908_PFASOMP_24	0.01	*0.63*	0.47	**1.1**	1.19	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW252S	24 Apr 2024	0908_QC215_240424	Interlab_D	NSW_0908_PFASOMP_24	0.01	*0.59*	0.45	**1**	1.2	0.02	0.03	0.02	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5		
MW255D	01 Mar 2017	MW255D_GW_010317	Normal	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12		
MW255D	29 Mar 2018	MW255D_GW_29032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	20 Nov 2018	0908_MW255D_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	23 May 2019	0908_MW255D_190523	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	19 May 2020	0908_MW255D_200519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	13 May 2021	0908_MW255D_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	18 May 2022	0908_MW255D_220518	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	18 May 2022	0908_QC106_220518	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	09 May 2023	0908_MW255D_230509	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	09 May 2023	0908_QC109_230509	Field_D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	09 May 2023	0908_QC209_230509	Interlab_D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5		
MW255D	16 Apr 2024	0908_MW255D_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	16 Apr 2024	0908_QC106_240416	Field_D	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255D	16 Apr 2024	0908_QC206_240416	Interlab_D	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5		
MW255S	01 Mar 2017	MW255S_GW_010317	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	29 Mar 2018	MW255S_GW_29032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	20 Nov 2018	0908_MW255S_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	20 Nov 2018	0908_QC101_181120	Field_D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	20 Nov 2018	0908_QC200_181120	Interlab_D	NSW_0908_PFAS	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.014	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05		
MW255S	23 May 2019	0908_MW255S_190523	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	19 May 2020	0908_MW255S_200519	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	13 May 2021	0908_MW255S_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	18 May 2022	0908_MW255S_220518	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	18 May 2022	0908_QC206_220518	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5		
MW255S	09 May 2023	0908_MW255S_230509	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW255S	16 Apr 2024	0908_MW255S_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	30 Jan 2017	MW256D_GW_300117	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	29 Mar 2018	MW256D_GW_29032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	04 Dec 2018	0908_MW256D_18124	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	21 May 2019	0908_MW256D_190521	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	04 Nov 2019	0908_MW256D_191104	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	18 May 2020	0908_MW256D_200518	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	23 Nov 2020	0908_MW256_D_201123	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	13 May 2021	0908_MW256D_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	09 Nov 2021	0908_MW256D_211109	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	17 May 2022	0908_MW256D_220517	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	07 Nov 2022	0908_MW256D_221107	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	08 May 2023	0908_MW256D_230508	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	08 May 2023	0908_QC101_230508	Field_D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	21 Nov 2023	0908_MW256D_231121	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	15 Apr 2024	0908_MW256D_240415	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	15 Apr 2024	0908_QC100_240415	Field_D	NSW_0908_PFASOMP_24	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256D	15 Apr 2024	0908_QC200_240415	Interlab_D	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5		
MW256S	30 Jan 2017	MW256S_GW_300117	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256S	29 Mar 2018	MW256S_GW_29032018	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256S	20 Nov 2018	0908_MW256S_181120	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		
MW256S	23 May 2019	0908_MW256S_190523	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05		

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW256S	04 Nov 2019	0908_MW256S_191104	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	18 May 2020	0908_MW256S_200518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	23 Nov 2020	0908_MW256_S_201123	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	13 May 2021	0908_MW256S_210513	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	09 Nov 2021	0908_MW256S_211109	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	17 May 2022	0908_MW256S_220517	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_MW256S_221107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_QC100_221107	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_QC200_221107	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	08 May 2023	0908_MW256S_230508	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	08 May 2023	0908_QC201_230508	Interlab_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	21 Nov 2023	0908_MW256S_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	16 Apr 2024	0908_MW256S_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	31 Jan 2017	MW257D_GW_310117	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	29 Mar 2018	MW257D_GW_29032018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	06 Dec 2018	0908_MW257D_18126	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	24 May 2019	0908_MW257D_190524	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	04 Nov 2019	0908_MW257D_191104	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	18 Nov 2020	0908_MW257_D_201118	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	13 May 2021	0908_MW257D_210513	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	09 Nov 2021	0908_MW257D_211109	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	17 May 2022	0908_MW257D_220517	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	07 Nov 2022	0908_MW257D_221107	Normal	NSW_0908_PFASOMP		0.02	<0.01	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	08 May 2023	0908_MW257D_230508	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_MW257D_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_QC101_231121	Field_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_QC201_231121	Interlab_D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW257D	16 Apr 2024	0908_MW257D_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	31 Jan 2017	MW257S_GW_310117	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	29 Mar 2018	MW257S_GW_29032018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	19 Nov 2018	0908_MW257S_181119	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	21 May 2019	0908_MW257S_190521	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	04 Nov 2019	0908_MW257S_191104	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	18 Nov 2020	0908_MW257_S_201118	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	13 May 2021	0908_MW257S_210513	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	09 Nov 2021	0908_MW257S_211109	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	17 May 2022	0908_MW257S_220517	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	17 May 2022	0908_QC202_220517	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW257S	07 Nov 2022	0908_MW257S_221107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	08 May 2023	0908_MW257S_230508	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	21 Nov 2023	0908_MW257S_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	16 Apr 2024	0908_MW257S_240416	Normal	NSW_0908_PFASOMP_24		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 Feb 2017	MW260D_GW_080217	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	06 Apr 2018	MW260D_GW_06042018	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW260D	19 Nov 2018	0908_MW260D_181119	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 May 2019	0908_MW260D_190524	Normal	NSW_0908_PFAS		<0.01	<0.01	0.04	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 May 2019	0908_MW260D_190524	Normal	NSW_0908_PFAS		-	-	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW260D	05 Nov 2019	0908_MW260D_191105	Normal	NSW_0908_PFASOMP		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW260D	19 May 2020	0908_MW260D_200519	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 Nov 2020	0908_MW260_D_201124	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	14 May 2021	0908_MW260D_210514	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	0.07	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	12 Nov 2021	0908_MW260D_211112	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	18 May 2022	0908_MW260D_220518	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 Nov 2022	0908_MW260D_221108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 May 2023	0908_MW260D_230508	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	21 Nov 2023	0908_MW260D_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	18 Apr 2024	0908_MW260D_240418	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 Feb 2017	MW260S_GW_080217	Normal	NSW_0908_PFAS		<0.01	*0.09*	0.03	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	06 Apr 2018	MW260S_GW_06042018	Normal	NSW_0908_PFAS		<0.01	*0.02*	0.04	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW260S	19 Nov 2018	0908_MW260S_181119	Normal	NSW_0908_PFAS		<0.01	*0.03*	0.08	**0.11**	1.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.91	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	24 May 2019	0908_MW260S_190524	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	05 Nov 2019	0908_MW260S_191105	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	18 May 2020	0908_MW260S_200518	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	24 Nov 2020	0908_MW260_S_201124	Normal	NSW_0908_PFASOMP		<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	14 May 2021	0908_MW260S_210514	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	12 Nov 2021	0908_MW260S_211112	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	12 Nov 2021	0908_QC205_211112	Interlab_D	NSW_0908_PFASOMP		<0.01	*0.02*	0.02	0.04	0.04	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW260S	18 May 2022	0908_MW260S_220518	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 Nov 2022	0908_MW260S_221108	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 May 2023	0908_MW260S_230508	Normal	NSW_0908_PFASOMP_23		<0.01	*0.04*	0.01	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	21 Nov 2023	0908_MW260S_231121	Normal	NSW_0908_PFASOMP_23		<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	18 Apr 2024	0908_MW260S_240418	Normal	NSW_0908_PFASOMP_24		<0.01	*0.06*	<0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	08 Feb 2017	MW264D_GW_08022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	31 May 2019	0908_MW264D_190531	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	29 May 2020	0908_MW264D_200529	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	20 May 2021	0908_MW264D_210520	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	02 Jun 2022	0908_MW264D_220602	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	02 Jun 2022	0908_QC221_220602	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW264D	12 May 2023	0908_MW264D_230512	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	23 Apr 2024	0908_MW264D_240423	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	08 Feb 2017	MW264S_GW_08022017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	24 Jun 2021	0908_MW264S_210624	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	02 Jun 2022	0908_MW264S_220602	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	02 Jun 2022	0908_QC121_220602	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	12 May 2023	0908_MW264S_230512	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	23 Apr 2024	0908_MW264S_240423	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	03 Mar 2017	MW270D_170303	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	07 Jun 2019	0908_MW270D_190607	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	25 May 2020	0908_MW270D_200525	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	12 May 2021	0908_MW270D_210512	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	17 May 2022	0908_MW270D_220517	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	16 May 2023	0908_MW270D_230516	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	09 Aug 2023	0908_MW270D_230809	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	22 Apr 2024	0908_MW270D_240422	Normal	NSW_0908_PFASOMP_24		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	03 Mar 2017	MW270S_170303	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	07 Jun 2019	0908_MW270S_190607	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	25 May 2020	0908_MW270S_200525	Normal	NSW_0908_PFASOMP		0.01	<0.01	<0.02	<0.01	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	12 May 2021	0908_MW270S_210512	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	17 May 2022	0908_MW270S_220517	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	0.02	0.03	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.1	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	16 May 2023	0908_MW270S_230516	Normal	NSW_0908_PFASOMP_23		0.02	*0.03*	0.04	0.07	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	0.12	0.1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	09 Aug 2023	0908_MW270S_230809	Normal	NSW_0908_PFASOMP_23		0.02	<0.01	0.04	0.04	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	0.09	0.08	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	22 Apr 2024	0908_MW270S_240422	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	15 Mar 2017	MW271D_GW_150317	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Apr 2018	MW271D_GW_13042018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	28 Nov 2018	0908_MW271D_181128	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Jun 2019	0908_MW271D_190613	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	08 Nov 2019	0908_MW271D_191108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	26 May 2020	0908_MW271D_200526	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Nov 2020	0908_MW271_D_201113	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	12 Nov 2021	0908_MW271D_211112	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	16 May 2022	0908_MW271D_220516	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	14 Nov 2022	0908_MW271D_221114	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	15 May 2023	0908_MW271D_230515	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	27 Nov 2023	0908_MW271D_231127	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.04	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	24 Apr 2024	0908_MW271D_240424	Normal	NSW_0908_PFASOMP_24		<0.01	*0.03*	0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	15 Mar 2017	MW271S_GW_150317	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Apr 2018	MW271S_GW_13042018	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	28 Nov 2018	0908_MW271S_181128	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
MW271S	13 Jun 2019	0908_MW271S_190613	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	08 Nov 2019	0908_MW271S_191108	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	26 May 2020	0908_MW271S_200526	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.08	**0.08**	0.23	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Nov 2020	0908_MW271_S_201113	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	12 Nov 2021	0908_MW271S_211112	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	16 May 2022	0908_MW271S_220516	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	0.02	0.03	0.06	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	14 Nov 2022	0908_MW271S_221114	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.17	0.12	0.03	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	15 May 2023	0908_MW271S_230515	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.02	0.02	0.05	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	27 Nov 2023	0908_MW271S_231127	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.04	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	24 Apr 2024	0908_MW271S_240424	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	0.13	**0.13**	0.44	0.06	0.05	<0.02	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	03 Mar 2017	MW278D_170303	Normal	NSW_0908_PFAS		<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	23 May 2019	0908_MW278D_190523	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	07 Nov 2019	0908_MW278D_191107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	13 May 2020	0908_MW278D_200528	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	27 Nov 2020	0908_MW278_D_201127	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	13 May 2021	0908_MW278D_210513	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	13 May 2021	0908_QC202_210513	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW278D	09 Nov 2021	0908_MW278D_211109	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_MW278D_221109	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_QC112_221109	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_QC212_221109	Interlab_D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW278D	11 May 2023	0908_MW278D_230511	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	21 Nov 2023	0908_MW278D_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	16 Apr 2024	0908_MW278D_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	03 Mar 2017	MW278S_170303	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	23 May 2019	0908_MW278S_190523	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	07 Nov 2019	0908_MW278S_191107	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	28 May 2020	0908_MW278S_200528	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	27 Nov 2020	0908_MW278_S_201127	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	13 May 2021	0908_MW278S_210513	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	09 Nov 2021	0908_MW278S_211109	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	09 Nov 2022	0908_MW278S_221109	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	11 May 2023	0908_MW278S_230511	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	21 Nov 2023	0908_MW278S_231121	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	16 Apr 2024	0908_MW278S_240416	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOA	Normal	NSW_0908_PFAS		0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOS	Normal	NSW_0908_PFAS		-	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOA	Normal	NSW_0908_PFAS		0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOS	Normal	NSW_0908_PFAS		-	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOA	Normal	NSW_0908_PFAS		0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOS	Normal	NSW_0908_PFAS		-	*0.12*	-	**0.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOA	Normal	NSW_0908_PFAS		0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOS	Normal	NSW_0908_PFAS		-	*0.46*	-	**0.46**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOA	Normal	NSW_0908_PFAS		**5.81**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOS	Normal	NSW_0908_PFAS		-	*5.3*	-	**5.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOA	Normal	NSW_0908_PFAS		***113***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOS	Normal	NSW_0908_PFAS		-	*70.3*	-	**70.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOA	Normal	NSW_0908_PFAS		**1.72**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOS	Normal	NSW_0908_PFAS		-	*1.57*	-	**1.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOA	Normal	NSW_0908_PFAS		***36.9***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOS	Normal	NSW_0908_PFAS		-	*18*	-	**18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	06 Mar 2017	MW279S_GW_060317	Normal	NSW_0908_PFAS		0.01	*0.05*	1.17	**1.22**	1.71	0.06	0.11	<0.02	<0.02	<0.1	0.02	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	13 Apr 2018	MW279S_GW_13042018	Normal	NSW_0908_PFAS		0.04	*0.24*	1.43	**1.67**	2.46	0.04	0.12	<0.02	<0.02	<0.1	0.04	0.55	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	26 Nov 2018	0908_MW279S_181126	Normal	NSW_0908_PFAS		0.02	*0.11*	1.56	**1.67**	2.16	0.06	0.09	<0.02	<0.02	<0.1	<0.02	0.3	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	27 May 2019	0908_MW279S_190527	Normal	NSW_0908_PFAS		0.02	*0.2*	1.25	**1.45**	1.95	0.05	0.1	<0.02	<0.02	<0.1	0.03	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	08 Nov 2019	0908_MW279S_191108	Normal	NSW_0908_PFASOMP		0.04	*0.18*	2.16	**2.34**	3.26	0.08	0.15	<0.02	<0.02	<0.1	0.06	0.56	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	18 May 2020	0908_MW279S_200518	Normal	NSW_0908_PFASOMP		0.04	*0.45*	2.63	**3.08**	3.84	0.08	0.18	0.04	<0.02	<0.1	<0.02	0.39	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	25 Nov 2020	0908_MW279_S_201125	Normal	NSW_0908_PFASOMP		0.02	*0.35*	1.2	**1.55**	2	0.05	0.08	0.02	<0.02	<0.1	<0.02	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	20 May 2021	0908_MW279S_210520	Normal	NSW_0908_PFASOMP		0.03	*0.72*	1.95	**2.67**	3.6	0.12	0.15	0.04	<0.02	<0.1	0.05	0.52	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW279S	11 Nov 2021	0908_MW279S_211111	Normal	NSW_0908_PFASOMP	0.01	*0.46*	0.93	**1.39**	1.72	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	19 May 2022	0908_MW279S_220519	Normal	NSW_0908_PFASOMP	0.01	*0.32*	0.88	**1.2**	1.55	0.04	0.06	<0.02	<0.02	<0.1	0.02	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	07 Nov 2022	0908_MW279S_221107	Normal	NSW_0908_PFASOMP	0.01	*0.18*	0.53	**0.71**	0.93	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	09 May 2023	0908_MW279S_230509	Normal	NSW_0908_PFASOMP_23	0.03	*0.38*	1.98	**2.36**	3.2	0.12	0.16	0.03	<0.02	<0.1	0.06	0.42	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	21 Nov 2023	0908_MW279S_231121	Normal	NSW_0908_PFASOMP_23	0.03	*0.32*	2.28	**2.6**	3.63	0.16	0.18	0.03	<0.02	<0.1	0.03	0.58	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	16 Apr 2024	0908_MW279S_240416	Normal	NSW_0908_PFASOMP_24	0.04	*0.8*	3.5	**4.3**	5.78	0.17	0.28	0.07	<0.02	<0.1	0.1	0.7	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOA	Normal	NSW_0908_PFAS	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOS	Normal	NSW_0908_PFAS	-	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOA	Normal	NSW_0908_PFAS	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOS	Normal	NSW_0908_PFAS	-	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOA	Normal	NSW_0908_PFAS	0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOS	Normal	NSW_0908_PFAS	-	*0.13*	-	**0.13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOA	Normal	NSW_0908_PFAS	**0.94**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOS	Normal	NSW_0908_PFAS	-	*0.52*	-	**0.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOA	Normal	NSW_0908_PFAS	**8.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOS	Normal	NSW_0908_PFAS	-	*4.62*	-	**4.62**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOA	Normal	NSW_0908_PFAS	***92.7***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOS	Normal	NSW_0908_PFAS	-	*39.9*	-	**39.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOA	Normal	NSW_0908_PFAS	**2.68**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOS	Normal	NSW_0908_PFAS	-	*1.24*	-	**1.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOA	Normal	NSW_0908_PFAS	***31.1***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOS	Normal	NSW_0908_PFAS	-	*13*	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	08 Mar 2017	MW280S_GW_080317	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	07 Aug 2018	0908_MW280_180807	Normal	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	07 Sep 2018	0908_MW28D_180907	Normal	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	05 Oct 2018	0908_MW280S_181005	Normal	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Jan 2019	0908_MW280S_190123	Normal	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	29 Mar 2019	0908_MW280S_190329	Normal	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	19 Jun 2019	0908_MW280_190618	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.004	0.004	0.2	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.196	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	25 Sep 2019	0908_MW280S_190925	Normal	NSW_0908_PFASMGMT	0.0009	*0.0012*	0.0036	0.0048	0.0069	0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_MW280S_191202	Normal	NSW_0908_PFAS	0.0008	*0.0017*	0.0035	0.0052	0.0076	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_QC103_191202	Field_D	NSW_0908_PFAS	0.0009	*0.002*	0.0036	0.0056	0.0086	0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_QC203_191202	Interlab_D	NSW_0908_PFAS	<0.001	*0.0024*	0.0035	0.0059	-	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW280S	17 Apr 2020	0908_MW280S_200417	Normal	NSW_0908_PFASMGMT	0.0009	<0.0003	0.0035	0.0035	0.0463	0.0061	<0.0005	<0.0005	<0.0005	<0.002	<0.0016	0.0018	<0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.034	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	23 Jun 2020	0908_MW280S_200623	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.004	0.004	0.004	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.003	0.003	0.015	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.012	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	11 Jan 2021	0908_MW280_S_210111	Normal	NSW_0908_PFASMGMT	0.0022	*0.0372*	0.0103	0.0475	0.0631	0.002	0.0011	<0.0005	<0.0005	<0.002	<0.0005	0.0033	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.007	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	22 Jan 2021	0908_MW280S_210122	Normal	NSW_0908_PFASMGMT	0.0007	*0.0012*	0.0039	0.0051	0.0131	0.0008	<0.0005	<0.0005	<0.0005	0.003	0.0021	0.0014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	24 Jun 2021	0908_MW280S_210624	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	20 Sep 2021	0908_MW280S_210920	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.004	0.004	0.014	<0.002	<0.002	<0.002	<0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	13 Jan 2022	0908_MW280S_220113	Normal	NSW_0908_PFASMGMT	0.0012	<0.0003	0.0051	0.0051	0.0166	0.0012	0.0006	<0.0005	<0.0005	0.006	<0.0005	0.0017	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	16 Mar 2022	0908_MW280S_220316	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.004	0.004	0.004	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	20 May 2022	0908_MW280S_220520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	30 Jun 2022	0908_MW280S_220630	Normal	NSW_0908_PFASMGMT	0.002	*0.002*	0.009	0.011	0.044	<0.002	<0.002	<0.002	<0.002	0.02	0.007	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	16 Sep 2022	0908_MW280S_220916	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.006	0.006	0.03	<0.002	<0.002	<0.002	<0.002	0.02	<0.002	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	11 Nov 2022	0908_MW280S_221111	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	18 May 2023	0908_MW280S_230518	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Nov 2023	0908_MW280S_231123	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Apr 2024	0908_MW280S_240423	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	20 Mar 2017	MW281S_GW_200317	Normal	NSW_0908_PFAS	**4.47**	*180*	64	**244**	285	4.62	4.95	7.78	<0.02	1	2.27	14	1.52	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	NSW_0908_PFAS	**8.75**	*206*	76.9	**283**	318	1.9	3.16	7.35	<0.1	<0.5	1.27	10.3	1.99	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	NSW_0908_PFAS	-	-	-	**282.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	22 Nov 2018	0908_MW281S_181122	Normal	NSW_0908_PFAS	**8.01**	*191*	41	**232**	264	1.57	2.23	9.9	<0.02	0.5	0.92	7.45	1.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	NSW_0908_PFAS	**7.32**	*186*	37.5	**224**	252	1.45	2.03	8.41	<0.02	0.4	0.83	7.14	1.13	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	NSW_0908_PFAS	-	-	-	**223.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	31 May 2019	0908_MW281S_190531	Normal	NSW_0908_PFAS	**4.94**	*144*	25.4	**169**	191	1.1	1.46	7.46	<0.02	0.3	0.73	4.43	0.77	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	31 May 2019	0908_MW281S_190531	Normal	NSW_0908_PFAS	-	-	-	**169.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	23 Oct 2019	0908_MW281S_191023	Normal	NSW_0908_PFASMGMT	**4.44**	*112*	18.8	**131**	150	1	1.69	7.5	<0.02	0.3	0.62	3.63	0.6	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW281S	06 Nov 2019	0908_MW281S_191107	Normal	NSW_0908_PFASOMP		**4.64**	*112*	19.4	**131**	152	1.12	1.8	7.66	<0.02	0.3	0.65	3.98	0.58	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	15 May 2020	0908_MW281S_200515	Normal	NSW_0908_PFASOMP		**3.84**	*119*	19.8	**139**	158	1.12	1.99	6.64	<0.02	0.2	0.62	4.13	0.55	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	16 Nov 2020	0908_MW281_S_201116	Normal	NSW_0908_PFASOMP		**3.56**	*26.7*	24.3	**51**	69.9	1.09	2.79	6.1	<0.02	0.3	0.55	3.83	0.64	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	25 May 2021	0908_MW281S_210525	Normal	NSW_0908_PFASOMP		**2.19**	*63.3*	26.2	**89.5**	109	2.23	2.84	4.69	<0.02	0.2	0.78	5.45	0.76	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2021	0908_MW281S_211110	Normal	NSW_0908_PFASOMP		**3.1**	*234*	21.4	**255**	277	1.63	1.9	8.86	<0.02	0.2	0.53	4.89	0.63	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	26 May 2022	0908_MW281S_220526	Normal	NSW_0908_PFASOMP		**2.16**	*68.6*	19.4	**88**	103	1.87	2.32	3.12	<0.02	0.4	0.67	4.06	0.61	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_MW281S_221110	Normal	NSW_0908_PFASOMP		**2.97**	*41.4*	11.5	**52.9**	60.5	0.29	0.44	2.55	<0.02	<0.1	0.14	0.94	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_QC103_221110	Field_D	NSW_0908_PFASOMP		**3.79**	*50*	12.9	**62.9**	73.7	0.34	0.47	4.61	<0.02	0.1	0.18	1.06	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_QC203_221110	Interlab_D	NSW_0908_PFASOMP		**2.8**	*31*	9.6	**41**	48	0.31	0.34	2.4	<0.02	0.06	0.2	0.9	0.28	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW281S	10 May 2023	0908_MW281S_230510	Normal	NSW_0908_PFASOMP_23		**1.67**	*108*	21.8	**130**	143	1.15	1.78	3.7	<0.02	0.3	0.58	3.41	0.72	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 May 2023	0908_QC217_230510	Interlab_D	NSW_0908_PFASOMP_23		**1.6**	*73*	20	**93**	110	1.1	2.2	2.9	<0.02	0.33	0.61	3.5	0.68	0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW281S	22 Nov 2023	0908_MW281S_231122	Normal	NSW_0908_PFASOMP_23		**2.62**	*99.8*	12.8	**113**	123	0.48	0.57	3.97	<0.02	0.3	0.36	1.89	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	17 Apr 2024	0908_MW281S_240417	Normal	NSW_0908_PFASOMP_24		**0.71**	*22*	4.82	**26.8**	30.5	0.27	0.39	1.15	<0.02	0.1	0.14	0.65	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	NSW_0908_PFAS		**1.23**	*1.48*	12.8	**14.28**	20.1	0.77	0.83	1.26	<0.02	<0.1	0.23	1.21	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	NSW_0908_PFAS		-	-	-	**14.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW282S	20 Jun 2019	0908_MW282_190620	Normal	NSW_0908_PFASMGMT		**2.15**	*9.94*	23.1	**33**	45.2	0.87	1.21	2.97	<0.02	0.3	0.58	3.44	0.62	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	23 Oct 2019	0908_MW282S_191023	Normal	NSW_0908_PFASMGMT		**3.41**	*54.7*	16	**70.7**	86.6	0.86	1.43	5.15	<0.02	0.3	0.58	3.53	0.63	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	06 Nov 2019	0908_MW282S_191107	Normal	NSW_0908_PFASOMP		**1.95**	*1.09*	19.7	**20.8**	33.1	1.08	1.8	1.73	<0.02	0.3	0.64	4.13	0.68	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	15 May 2020	0908_MW282S_200515	Normal	NSW_0908_PFASOMP		**3.29**	*35.8*	13.3	**49.1**	64.8	1.13	1.33	5.01	<0.02	0.2	0.66	3.62	0.47	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	15 May 2020	0908_QC108_200515	Field_D	NSW_0908_PFASOMP		**3.39**	*39.7*	14.2	**53.9**	70.2	1.13	1.47	5.37	<0.02	0.3	0.67	3.51	0.48	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_MW282_S_201116	Normal	NSW_0908_PFASOMP		0.03	*0.15*	0.73	**0.88**	1.5	0.17	0.17	0.04	<0.02	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_QC100_201116	Field_D	NSW_0908_PFASOMP		0.05	*0.16*	0.81	**0.97**	1.7	0.18	0.18	0.05	<0.02	<0.1	0.04	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_QC200_201116	Interlab_D	NSW_0908_PFASOMP		0.039	*0.14*	0.86	**1**	-	0.17	0.16	0.027	<0.01	<0.05	0.035	0.18	0.015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW282S	25 May 2021	0908_MW282S_210525	Normal	NSW_0908_PFASOMP		0.06	*0.95*	0.93	**1.88**	2.65	0.14	0.13	0.09	<0.02	<0.1	0.12	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 Nov 2021	0908_MW282S_211110	Normal	NSW_0908_PFASOMP		0.28	*1.48*	9.48	**11**	16	0.8	0.7	0.34	<0.02	0.1	0.32	2.25	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	26 May 2022	0908_MW282S_220526	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.27	**0.3**	0.41	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	26 May 2022	0908_QC115_220526	Field_D	NSW_0908_PFASOMP		<0.01	*0.04*	0.37	**0.41**	0.56	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 Nov 2022	0908_MW282S_221110	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.08	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 May 2023	0908_MW282S_230510	Normal	NSW_0908_PFASOMP_23		0.07	*0.14*	3.33	**3.47**	4.49	0.09	0.15	0.08	<0.02	<0.02	<0.1	0.09	0.45	0.09	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 May 2023	0908_QC117_230510	Field_D	NSW_0908_PFASOMP_23		0.07	*0.12*	3.27	**3.39**	4.49	0.14	0.15	<0.02	<0.02	<0.1	0.12	0.52	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	22 Nov 2023	0908_MW282S_231122	Normal	NSW_0908_PFASOMP_23		0.15	*0.9*	1.34	**2.24**	3.44	0.13	0.1	0.22	<0.02	<0.1	0.09	0.46	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	17 Apr 2024	0908_MW282S_240417	Normal	NSW_0908_PFASOMP_24		0.31	*0.43*	2.69	**3.12**	4.71	0.11	0.17	0.35	<0.02	<0.1	0.1	0.43	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	02 Jul 2018	0908_W304_180702	Normal	NSW_0908_Stage2		0.1	*7.03*	1.87	**8.9**	9.77	0.08	0.11	0.18	<0.02	<0.1	0.08	0.3	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	17 Oct 2019	0908_MW304_191017	Normal	NSW_0908_PFASMGMT		0.18	*22.7*	4.22	**26.9**	29.7	0.22	0.31	0.21	<0.02	0.2	0.41	1.12	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	27 May 2021	0908_MW304_210527	Normal	NSW_0908_PFASMGMT		0.08	*14.2*	0.82	**15**	15.4	<0.02	0.03	0.15	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	23 Apr 2024	0908_MW304_240423	Normal	NSW_0908_PFASOMP_24		0.33	*42.3*	2.1	**44.4**	46.2	0.1	0.19	0.34	<0.02	<0.1	0.16	0.46	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	26 Sep 2019	0908_MW315D_190926	Normal	NSW_0908_PFASMGMT		<0.0005	<0.0003	0.0219	0.0219	0.0702	0.018	0.0074	<0.0005	<0.0005	<0.002	0.0032	0.0197	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	19 Nov 2019	0908_MW315D_191119	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	03 Dec 2019	0908_MW315D_191203	Normal	NSW_0908_PFAS		<0.0005	*0.0016*	0.018	0.0196	0.0693	0.0194	0.0081	<0.0005	<0.0005	<0.0020	0.0054	0.0168	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	12 Mar 2020	0908_MW315D_200317	Normal	NSW_0908_PFASMGMT		<0.0005	*0.0053*	0.0127	0.018	0.0749	0.0273	0.0073	<0.0005	<0.0005	<0.002	0.0032	0.0191	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	20 May 2020	0908_MW315D_200520	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.04	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	08 Jul 2020	0908_MW315D_200708	Normal	NSW_0908_PFASMGMT		<0.0005	*0.0045*	0.023	0.0275	0.117	0.0086	0.0154	<0.0005	<0.0005	<0.002	0.0066	0.0348	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.023	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	29 Sep 2020	0908_MW315D_200929	Normal	NSW_0908_PFASMGMT		<0.002	*0.003*	0.028	0.031	0.141	0.033	0.017	<0.002	<0.002	<0.01	0.006	0.041	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.013	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	26 Nov 2020	0908_MW315_D_201126	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	11 Jan 2021	0908_MW315_D_210111	Normal	NSW_0908_PFASMGMT		<0.0005	*0.0029*	0.0346	0.0375	0.186	0.04	0.0202	<0.0005	<0.0005	0.004	0.0048	0.0474	0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.031	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	25 Mar 2021	0908_MW315_D_210325	Normal	NSW_0908_PFASMGMT		<0.0005	*0.0023*	0.0436	0.0459	0.306	0.138	0.0242	<0.0005	<0.0005	<0.002	0.0087	0.0563	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.031	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	20 Sep 2021	0908_MW315D_210921	Normal	NSW_0908_PFASMGMT		<0.0005	*0.0024*	0.043	0.0454	0.23	0.0486	0.0214	<0.0005	<0.0005	<0.0020	0.0157	0.062	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.036	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	14 Jan 2022	0908_MW315D_220114	Normal	NSW_0908_PFASMGMT		<0.0005	<0.0003	0.0866	**0.0866**	0.262	0.0511	0.0309	<0.0005	<0.0005	<0.002	0.0059	0.0842	0.0029	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	18 Mar 2022	0908_MW315D_220318	Normal	NSW_0908_PFASMGMT		<0.002	<0.002	0.054	0.054	0.24	0.05	0.029	<0.002	<0.002	<0.01	0.017	0.073	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.015	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	26 May 2022	0908_MW315D_220526	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.1	**0.1**	0.25	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	26 May 2022	0908_QC116_220526	Field_D	NSW_0908_PFASOMP		<0.01	<0.01	0.16	**0.16**	0.39	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	30 Jun 2022	0908_MW315D_220630	Normal	NSW_0908_PFASMGMT		<0.002	*0.011*	0.082	**0.093**	0.269	0.042	0.035	<0.002	<0.002	<0.01	0.017	0.071	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.007	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	30 Jun 2022	0908_QC103_220630	Field_D	NSW_0908_PFASMGMT		<0.002	*0.012*	0.082	**0.094**	0.27	0.041	0.035	<0.002	<0.002	<0.01	0.018	0.069	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.009	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	16 Sep 2022	0908_MW315D_220916	Normal	NSW_0908_PFASMGMT		<0.002	<0.002	0.174	**0.174**	0.394	0.046	0.058	<0.002	<0.002	<0.01	0.018	0.093	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	16 Sep 2022	0908_QC102_220916	Field_D	NSW_0908_PFASMGMT		<0.002	<0.002	0.183	**0.183**	0.417	0.049	0.059	<0.002	<0.002	<0.01	0.019	0.102	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	11 Nov 2022	0908_MW315D_221111	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.12	**0.12**	0.28	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_MW315D_230518	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.16	**0.16**	0.3	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_QC120_230518	Field_D	NSW_0908_PFASOMP_23		<0.01	<0.01	0.2	**0.2**	0.37	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_QC220_230518	Interlab_D	NSW_0908_PFASOMP_23		<0.01	<0.01	0.19	**0.19**	0.32	<0.01	0.05	<0.01	<0.02	<0.02	<0.02	0.08	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water					**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
MW315D	23 Nov 2023	0908_MW315D_231123	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.16	**0.16**	0.38	0.1	0.04	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	23 Apr 2024	0908_MW315D_240423	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.14	**0.14**	0.29	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	26 Sep 2019	0908_MW315S_190926	Normal	NSW_0908_PFASMGMT	<0.0005	<0.0003	0.0251	0.0251	0.0318	0.0019	0.0018	<0.0005	<0.0005	<0.002	<0.0005	0.003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	19 Nov 2019	0908_MW315S_191119	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	19 Nov 2019	0908_QC108_191119	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	19 Nov 2019	0908_QC208_191119	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.02	0.017	0.017	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW315S	03 Dec 2019	0908_MW315S_191203	Normal	NSW_0908_PFAS	<0.0005	*0.0077*	0.0214	0.0291	0.0357	0.0026	0.0016	<0.0005	<0.0005	<0.0020	<0.0005	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	12 Mar 2020	0908_MW315S_200317	Normal	NSW_0908_PFASMGMT	<0.0005	*0.0076*	0.0097	0.0173	0.0212	0.0022	0.0008	<0.0005	<0.0005	<0.002	<0.0005	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	20 May 2020	0908_MW315S_200520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	08 Jul 2020	0908_MW315S_200708	Normal	NSW_0908_PFASMGMT	<0.0005	<0.0003	0.0257	0.0257	0.044	0.0048	0.005	<0.0005	<0.0005	<0.002	0.0029	0.0056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	29 Sep 2020	0908_MW315S_200929	Normal	NSW_0908_PFASMGMT	<0.002	<0.002	0.018	0.018	0.026	0.002	0.003	<0.002	<0.002	<0.01	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	26 Nov 2020	0908_MW315_S_201126	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.04	0.04	0.17	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	11 Jan 2021	0908_MW315_S_210111	Normal	NSW_0908_PFASMGMT	<0.0005	*0.0076*	0.0254	0.033	0.0428	0.0027	0.0022	<0.0005	<0.0005	<0.002	<0.0005	0.0029	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.002	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_MW315_S_210325	Normal	NSW_0908_PFASMGMT	0.0006	*0.0008*	0.0681	0.0689	0.103	0.0065	0.0068	<0.0005	<0.0005	<0.002	0.0041	0.01	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.006	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_QC100_210325	Field_D	NSW_0908_PFASMGMT	0.0006	*0.0012*	0.0762	**0.0774**	0.118	0.007	0.0074	<0.0005	<0.0005	<0.002	0.0034	0.0097	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.013	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_QC200_210325	Interlab_D	NSW_0908_PFASMGMT	<0.001	<0.002	0.064	0.064	-	0.0064	0.0062	<0.001	<0.001	<0.005	0.0023	0.0069	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.015	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW315S	20 Sep 2021	0908_MW315S_210921	Normal	NSW_0908_PFASMGMT	0.0019	*0.0008*	0.0201	0.0209	0.0332	0.002	0.0016	<0.0005	<0.0005	<0.0020	<0.0005	0.0062	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	14 Jan 2022	0908_MW315S_220114	Normal	NSW_0908_PFASMGMT	0.0019	<0.0016	0.0248	0.0248	0.0354	0.0024	0.0018	<0.0016	<0.0016	<0.008	<0.0016	0.0045	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0040	<0.002	<0.002	<0.002	<0.002	<0.0016	<0.004	<0.0016	<0.004	<0.004	<0.0016	<0.004
MW315S	18 Mar 2022	0908_MW315S_220318	Normal	NSW_0908_PFASMGMT	0.004	*0.002*	0.026	0.028	0.047	<0.002	<0.002	<0.002	<0.002	0.01	<0.002	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	26 May 2022	0908_MW315S_220526	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	30 Jun 2022	0908_MW315S_220630	Normal	NSW_0908_PFASMGMT	0.005	*0.003*	0.024	0.027	0.073	0.002	0.002	<0.002	<0.002	0.03	<0.002	0.007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	16 Sep 2022	0908_MW315S_220916	Normal	NSW_0908_PFASMGMT	0.003	*0.003*	0.025	0.028	0.111	0.002	0.003	<0.002	<0.002	0.06	<0.002	0.015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	16 Sep 2022	0908_QC203_220916	Interlab_D	NSW_0908_PFASMGMT	0.004	*0.002*	0.019	0.021	0.084	0.003	0.003	<0.001	<0.002	0.037	0.004	0.01	0.002	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05	<0.001	<0.001	<0.002	<0.002	<0.01	<0.05	<0.002	<0.05	<0.1	<0.002	<0.5
MW315S	11 Nov 2022	0908_MW315S_221111	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	18 May 2023	0908_MW315S_230518	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Nov 2023	0908_MW315S_231123	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Apr 2024	0908_MW315S_240423	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	01 Nov 2019	0908_MW316D_191101	Normal	NSW_0908_PFASOMP	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW316D	18 May 2020	0908_MW316D_200518	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	25 Nov 2020	0908_MW316_D_201125	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	20 May 2021	0908_MW316D_210520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	11 Nov 2021	0908_MW316D_211111	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	20 May 2022	0908_MW316D_220520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	07 Nov 2022	0908_MW316D_221107	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	09 May 2023	0908_MW316D_230509	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	21 Nov 2023	0908_MW316D_231121	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	16 Apr 2024	0908_MW316D_240416	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	26 Jun 2020	0908_MW317D_200626	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	24 May 2021	0908_MW317D_210524	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	30 May 2022	0908_MW317D_220530	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	12 May 2023	0908_MW317D_230512	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	17 Apr 2024	0908_MW317D_240417	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	26 Jun 2020	0908_MW317S_200626	Normal	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	24 May 2021	0908_MW317S_210524	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.1	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	18 Nov 2021	0908_MW317S_211118	Normal	NSW_0908_PFASOMP	<0.01	*0.07*	0.02	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	18 Nov 2021	0908_QC102_211118	Field_D	NSW_0908_PFASOMP	<0.01	*0.08*	0.02	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	30 May 2022	0908_MW317S_220530	Normal	NSW_0908_PFASOMP	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	12 May 2023	0908_MW317S_230512	Normal	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	17 Apr 2024	0908_MW317S_240417	Normal	NSW_0908_PFASOMP_24	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	19 Nov 2019	0908_MW318D_191119	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.22	**0.22**	0.37	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	21 May 2020	0908_MW318D_200521	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.37	**0.37**	0.37	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	25 Nov 2020	0908_MW318_D_201125	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.08	**0.08**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	20 May 2021	0908_MW318D_210520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.21	**0.21**	0.39	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	15 Nov 2021	0908_MW318D_211115	Normal	NSW_0908_PFASOMP	0.02	*0.03*	0.52	**0.55**	1.31	0.22	0.15	<0.02	<0.02	<0.1	0.05	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	31 May 2022	0908_MW318D_220531	Normal	NSW_0908_PFASOMP	0.02	*0.04*	0.6	**0.64**	1.38	0.19	0.2	<0.02	<0.02	<0.1	0.05	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	31 May 2022	0908_QC219_220531	Interlab_D	NSW_0908_PFASOMP	0.02	*0.04*	0.55	**0.59**	1.3	0.18	0.14	0.02	<0.02	0.03	0.05	0.26	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW318D	08 Nov 2022	0908_MW318D_221108	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.17	**0.17**	0.48	0.09	0.09	<0.02	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	11 May 2023	0908_MW318D_230511	Normal	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.28	**0.32**	0.63	0.09	0.08	<0.02	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	23 Nov 2023	0908_MW318D_231123	Normal	NSW_0908_PFASOMP_23	0.01	*0.04*	0.41	**0.45**	0.86	0.1	0.08	<0.02	<0.02	<0.1	0.03	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW318D	22 Apr 2024	0908_MW318D_240422	Normal	NSW_0908_PFASOMP_24	0.03	*0.1*	0.73	**0.83**	1.31	0.07	0.11	0.03	<0.02	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_MW318S_191119	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_QC109_191119	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_QC209_191119	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW318S	21 May 2020	0908_MW318S_200521	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	25 Nov 2020	0908_MW318_S_201125	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	20 May 2021	0908_MW318S_210520	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	15 Nov 2021	0908_MW318S_211115	Normal	NSW_0908_PFASOMP	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	31 May 2022	0908_MW318S_220531	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	08 Nov 2022	0908_MW318S_221108	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	11 May 2023	0908_MW318S_230511	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	23 Nov 2023	0908_MW318S_231123	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	22 Apr 2024	0908_MW318S_240422	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	23 Oct 2019	0908_MW329_191023	Normal	NSW_0908_PFASMGMT	**12.9**	*321*	41.8	**363**	402	1.13	2.97	14	<0.02	0.4	0.84	6.06	1.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	09 Nov 2020	0908_MW329_201109	Normal	NSW_0908_PFASMGMT	**2.48**	*178*	15.9	**194**	210	0.82	1.75	5.42	<0.02	0.3	0.61	3.95	0.53	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	18 Apr 2024	0908_MW329_240418	Normal	NSW_0908_PFASOMP_24	**2.32**	*165*	12.7	**178**	188	0.47	0.99	3.72	<0.02	0.2	0.3	1.97	0.33	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	09 Nov 2020	0908_MW340D_201109	Normal	NSW_0908_PFASMGMT	<0.01	*0.2*	0.02	**0.22**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	09 Nov 2020	0908_QC104_201109	Field_D	NSW_0908_PFASMGMT	<0.01	*0.24*	0.03	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	18 Apr 2024	0908_MW340D_240418	Normal	NSW_0908_PFASOMP_24	0.04	*0.25*	0.44	**0.69**	1.12	0.09	0.09	<0.02	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	29 Oct 2020	0908_MW340S_201029	Normal	NSW_0908_PFASMGMT	0.01	*0.06*	1.08	**1.14**	1.8	0.19	0.11	<0.02	<0.02	<0.1	0.07	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	04 Oct 2023	0908_MW340S_231004	Normal	NSW_0908_PFASMGMT_23	0.01	<0.01	1.33	**1.33**	1.58	0.04	0.07	<0.02	<0.02	<0.1	<0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	16 Nov 2023	0908_MW340S_231116	Normal	NSW_0908_PFASMGMT_23	0.02	<0.01	1.18	**1.18**	1.38	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_MW340S_240418	Normal	NSW_0908_PFASOMP_24	0.01	*0.02*	0.92	**0.94**	1.12	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC109_240418	Field_D	NSW_0908_PFASOMP_24	<0.01	*0.02*	0.86	**0.88**	1.03	0.03	0.06	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC209_240418	Interlab_D	NSW_0908_PFASOMP_24	<0.01	*0.01*	0.85	**0.86**	1	0.03	0.04	<0.01	<0.02	<0.02	<0.02	0.08	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW342D	09 Nov 2020	0908_MW342D_201109	Normal	NSW_0908_PFASMGMT	<0.01	*0.21*	0.12	**0.33**	0.38	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_MW342D_240418	Normal	NSW_0908_PFASOMP_24	<0.01	*0.14*	0.16	**0.3**	0.38	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC107_240418	Field_D	NSW_0908_PFASOMP_24	<0.01	*0.19*	0.16	**0.35**	0.47	0.02	0.03	<0.02	0.04	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC207_240418	Interlab_D	NSW_0908_PFASOMP_24	<0.01	*0.14*	0.18	**0.31**	0.39	0.02	0.02	<0.01	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW344D	09 Nov 2020	0908_MW344D_201109	Normal	NSW_0908_PFASMGMT	<0.01	*0.2*	0.11	**0.31**	0.33	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	18 Apr 2024	0908_MW344D_240418	Normal	NSW_0908_PFASOMP_24	0.02	*0.25*	0.34	**0.59**	0.71	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	29 Oct 2020	0908_MW344S_201029	Normal	NSW_0908_PFASMGMT	0.04	*0.52*	0.52	**1.04**	1.16	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	10 Oct 2023	0908_MW344S_231010	Normal	NSW_0908_PFASMGMT_23	0.02	*0.7*	0.3	**1**	1.2	0.03	0.03	<0.02	<0.02	<0.1	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	07 Nov 2023	0908_MW344S_231107	Normal	NSW_0908_PFASMGMT_23	0.02	*0.43*	0.19	**0.62**	0.76	0.02	0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	18 Apr 2024	0908_MW344S_240418	Normal	NSW_0908_PFASOMP_24	0.03	*0.51*	0.13	**0.64**	0.84	<0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.05	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	09 Nov 2020	0908_MW354_201109	Normal	NSW_0908_PFASMGMT	**4.07**	*88.9*	31.4	**120**	153	2.04	4.47	9.84	<0.02	0.7	1.33	8.66	1.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	05 Oct 2023	0908_MW354S_231005	Normal	NSW_0908_PFASMGMT_23	**3.21**	*26.8*	13.8	**40.6**	51	0.51	0.77	2.76	<0.02	0.2	0.32	2.26	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	14 Nov 2023	0908_MW354S_231114	Normal	NSW_0908_PFASMGMT_23	**5.77**	*47.7*	13.1	**60.8**	75.6	0.36	0.74	5.37	<0.02	0.1	0.28	1.9	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	18 Apr 2024	0908_MW354S_240418	Normal	NSW_0908_PFASOMP_24	**4.34**	*70.9*	10.9	**81.8**	97.2	0.49	0.75	6.88	<0.02	0.2	0.38	1.99	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	09 Feb 2016	W6_09022016	Normal	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW406	25 Aug 2016	W6_250816	Normal	NSW_0908_PFAS	0.01	*0.03*	0.04	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW406	19 Oct 2016	QC105_191016	Field_D	NSW_0908_PFAS	<0.01	*0.01*	0.04	0.05	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW406	19 Oct 2016	W6_191016	Normal	NSW_0908_PFAS	<0.01	*0.02*	0.03	0.05	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW406	11 Jan 2017	QC811_GW_11012017	Interlab_D	NSW_0908_PFAS	<0.02	<0.01	0.034	0.034	-	<0.01	-	-	<0.02	<0.05	<0.02	0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
MW406	12 Jan 2017	W6_GW_12012017	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	03 Apr 2018	W6_GW_03042018	Normal	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	03 Apr 2018	W6_GW_03042018	Normal	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW406	29 Jun 2018	0908_W6_180629	Normal	NSW_0908_Stage2	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	21 Nov 2018	0908_W6_181121	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	28 May 2019	0908_W6_190528	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	12 May 2020	0908_MW406_200512	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	19 May 2021	0908_MW406_210519	Normal	NSW_0908_PFASOMP	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_MW406_220524	Normal	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_QC113_220524	Field_D	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_QC213_220524	Interlab_D	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW406	08 May 2023	0908_MW406_230508	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	08 May 2023	0908_QC100_230508	Field_D	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	08 May 2023	0908_QC200_230508	Interlab_D	NSW_0908_PFASOMP_23	<0.01	<0.01	0.04	0.04	0.04	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW406	17 Apr 2024	0908_MW406_240417	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
MW441	11 Aug 2014	W41_11082014	Normal	NSW_0908_PFAS	**2.1**	<0.01	0.23	**6.8**	-	0.02	-	-	<0.01	-	0.07	1	0.23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW441	11 Aug 2014	W41_11082014	Normal	NSW_0908_PFAS	-	*4.3*	2.5	**6.8**	-	-	-	-	-	-	-	-	2.5	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW441	26 Aug 2016	W41_260816	Normal	NSW_0908_PFAS	**0.73**	*130*	5.8	**135.8**	-	0.19	-	-	<0.01	<0.05	0.09	1.1	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW441	18 Oct 2016	W41_181016	Normal	NSW_0908_PFAS	0.54	*180*	5.9	**185.9**	-	<0.01	-	-	<0.01	<0.05	0.12	0.88	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	16 Jan 2017	W41_160117	Normal	ACTNSW_Hist_202012-3	0.44	*220*	5.2	**225.2**	-	0.11	-	-	<0.01	0.05	0.09	0.61	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	16 Jan 2017	W41_160117	Normal	NSW_0908_PFAS	0.44	*220*	5.2	**225.2**	-	0.11	-	-	<0.01	0.05	0.09	0.61	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	04 May 2017	QC105_040517	Field_D	ACTNSW_Hist_202012-3	**1.1**	*180*	6.2	**186.2**	-	0.41	0.59	1.6	0.37	0.37	0.62	1.3	0.42	0.39	0.36	0.35	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW441	04 May 2017	W41_040517	Normal	ACTNSW_Hist_202012-3	**1.1**	*170*	6.2	**176.2**	-	0.43	0.58	1.5	0.36	0.36	0.61	1.3	0.42	0.41	0.38	0.39	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW441	17 Oct 2019	0908_QC200_191017	Interlab_D	NSW_0908_PFASMGMT	0.23	*110*	13	**123**	-	0.17	0.42	0.23	<0.01	0.26	0.61	3.3	0.42	0.011	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.019	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW441	17 Oct 2019	0908_W41_191017	Normal	NSW_0908_PFASMGMT	0.43	*158*	14.1	**172**	180	0.24	0.68	0.29	<0.02	0.3	0.85	4.57	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	21 May 2021	0908_MW441_210521	Normal	NSW_0908_PFASMGMT	**1.65**	*93.6*	19.4	**113**	125	0.26	1.36	1.81	<0.02	0.3	0.97	5.43	0.54	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	23 Apr 2024	0908_MW441_240423	Normal	NSW_0908_PFASOMP_24	0.02	*10*	0.26	**10.3**	11.2	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.67	0.17	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	18 Jun 2014	W66	Normal	ACTNSW_Hist_202012-3	**1.4**	*29.1*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW466	11 Aug 2014	W66_11082014	Normal	NSW_0908_PFAS	**0.69**	<0.01	0.03	**13.03**	-	3.9	-	-	<0.01	-	0.61	6.7	0.03	0.03	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW466	11 Aug 2014	W66_11082014	Normal	NSW_0908_PFAS	-	*13*	-	-	-	-	-	-	-	-	-	-	1.7	13	-	0.03	0.03	-	-	-	-	0.03	-	-	-	-	-	-	-	-
MW466	29 Aug 2016	QC104_2908016	Field_D	ACTNSW_Hist_202012-3	**1.33**	*31.8*	10.5	**42.3**	51.9	1	1.13	1.07	<0.02	0.4	1.01	3.12	0.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Aug 2016	W66_290816	Normal	NSW_0908_PFAS	**0.77**	*26*	7.3	**33.3**	-	0.57	-	-	<0.01	0.1	0.3	1.9	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW466	19 Oct 2016	W66_191016	Normal	NSW_0908_PFAS	**0.58**	*33*	5.9	**38.9**	-	0.41	-	-	<0.01	0.14	0.15	1.1	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW466	20 Dec 2016	QC800_GW_201216	Interlab_D	NSW_0908_PFAS	0.4	*31*	2.3	**33.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
MW466	20 Dec 2016	W66_GW_20122016	Normal	NSW_0908_PFAS	0.5	*32*	3.24	**35.2**	37.7	0.17	0.22	0.4	<0.02	<0.1	0.2	0.84	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Dec 2016	W66_GW_20122016	Normal	NSW_0908_PFAS	-	-	-	**35.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	12 Jan 2017	W66_120117	Normal	ACTNSW_Hist_202012-3	**0.61**	*50*	3.2	**53.2**	-	0.2	-	-	<0.01	0.13	0.17	1.1	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW466	24 Jan 2017	W66_24012017	Normal	NSW_0908_PFAS	**0.69**	*52.9*	4.78	**57.68**	61.2	0.24	0.32	0.57	<0.02	<0.1	0.33	1.23	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Jan 2017	W66_24012017	Normal	NSW_0908_PFAS	-	-	-	**57.7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	02 May 2017	W66_020517	Normal	ACTNSW_Hist_202012-3	0.17	*9.5*	3	**12.5**	-	0.17	0.22	0.21	<0.01	0.05	0.09	0.37	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW466	10 Jul 2017	W66	Normal	ACTNSW_Hist_202012-3	**0.58**	*28.1*	7.75	**35.8**	-	0.81	-	-	-	<0.1	0.2	1.12	0.2	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-	-
MW466	20 Apr 2018	W66_GW_20042018	Normal	NSW_0908_PFAS	0.19	*24*	2.23	**26.2**	28	0.15	0.21	0.19	0.03	<0.1	0.17	0.8	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Apr 2018	W66_GW_20042018	Normal	NSW_0908_PFAS	-	-	-	**26.23**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	22 Aug 2018	0908_W66_180822	Normal	NSW_0908_PFASMGMT	0.33	*14.7*	6.5	**21.2**	25.2	0.53	0.71	0.34	<0.02	0.2	0.33	1.42	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	14 Sep 2018	0908_W66_180914	Normal	NSW_0908_PFASMGMT	0.39	*15.1*	8.14	**23.2**	28.6	0.8	0.92	0.38	<0.02	<0.1	0.38	2.26	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Nov 2018	0908_W66_181129	Normal	NSW_0908_PFAS	0.2	*14.8*	2.45	**17.2**	18.7	0.17	0.18	0.18	<0.02	<0.1	0.16	0.52	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Nov 2018	0908_W66_181129	Normal	NSW_0908_PFAS	-	-	-	**17.25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	23 Apr 2019	0908_W66_190423	Normal	NSW_0908_PFASMGMT	0.06	*11.8*	0.8	**12.6**	13.4	0.08	0.1	0.06	<0.02	<0.1	0.09	0.36	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 May 2019	0908_W66_190522	Normal	NSW_0908_PFASMGMT	0.04	*8.73*	0.5	**9.23**	9.99	0.04	0.05	0.04	0.04	0.2	0.11	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	31 May 2019	0908_W66_190531	Normal	NSW_0908_PFAS	0.05	*9.65*	0.65	**10.3**	11	0.04	0.05	0.04	0.05	<0.1	0.15	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 Jun 2019	0908_W66_190619	Normal	NSW_0908_PFASMGMT	0.07	*6.82*	0.93	**7.75**	8.46	0.04	0.08	0.04	<0.02	<0.1	0.13	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Sep 2019	0908_W66_190924	Normal	NSW_0908_PFASMGMT	0.14	*9.04*	1.96	**11**	12.4	0.2	0.2	0.1	0.04	<0.1	0.23	0.43	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	08 Nov 2019	0908_MW466_191108	Normal	NSW_0908_PFASOMP	0.12	*10.3*	1.65	**12**	13.4	0.09	0.12	0.08	0.03	0.1	0.3	0.52	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	03 Dec 2019	0908_W66_191203	Normal	NSW_0908_PFAS	0.11	*6.98*	1.03	**8.01**	9.3	0.06	0.08	0.08	0.03	<0.1	0.25	0.55	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	16 Mar 2020	0908_W66_200316	Normal	NSW_0908_PFASMGMT	<0.05	*1.67*	0.2	**1.87**	1.87	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW466	11 May 2020	0908_MW466_200511	Normal	NSW_0908_PFASOMP	0.07	*3.35*	3.41	**6.76**	9.29	0.65	0.83	0.06	<0.02	<0.1	0.22	0.64	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Jun 2020	0908_MW466_200622	Normal	NSW_0908_PFASMGMT	0.12	*7.22*	2.72	**9.94**	11.8	0.28	0.27	0.09	0.04	0.2	0.19	0.5	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.13	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	01 Oct 2020	0908_MW466_201001	Normal	NSW_0908_PFASMGMT	0.13	*5.25*	4.38	**9.63**	13	0.47	0.84	0.12	0.06	0.1	0.3	1.1	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	17 Nov 2020	0908_MW466_201117	Normal	NSW_0908_PFASOMP	0.07	*2*	2.41	**4.41**	5.26	0.15	0.18	0.06	<0.02	<0.1	0.06	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	13 Jan 2021	0908_MW466_210113	Normal	NSW_0908_PFASMGMT	0.16	*6.13*	2.92	**9.05**	11.1	0.34	0.39	0.19	0.04	<0.1	0.12	0.57	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Mar 2021	0908_MW466_210329	Normal	NSW_0908_PFASMGMT	0.14	*0.74*	1.22	**1.96**	5.8	0.14	0.12	0.03	<0.02	0.8	0.89	1.5	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 May 2021	0908_MW466_210524	Normal	NSW_0908_PFASOMP	0.41	*19*	6.79	**25.8**	29.3	0.38	0.56	0.39	<0.02	0.2	0.24	1.13	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	23 Jun 2021	0908_MW466_210623	Normal	NSW_0908_PFASMGMT	0.52	*9.03*	3.34	**12.4**	15	0.22	0.26	0.37	0.05	0.1	0.21	0.78	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Sep 2021	0908_MW466_210922	Normal	NSW_0908_PFASMGMT	0.04	*0.13*	1.66	**1.79**	2.07	0.04	0.06	0.08	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	16 Nov 2021	0908_MW466_211116	Normal	NSW_0908_PFASOMP	0.41	*16*	3.73	**19.7**	22.6	0.22	0.26	0.4	0.06	0.1	0.3	0.87	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	11 Jan 2022	0908_MW466_220111	Normal	NSW_0908_PFASMGMT	0.25	*16.1*	2.05	**18.2**	20	0.12	0.13	0.3	0.08	<0.1	0.21	0.6	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	28 Jan 2022	0908_MW466_220128	Normal	NSW_0908_PFASMGMT	0.25	*17.9*	2.78	**20.7**	22.9	0.16	0.2	0.34	0.05	0.1	0.24	0.68	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	14 Mar 2022	0908_MW466_220314	Normal	NSW_0908_PFASMGMT	0.28	*8.33*	2.26	**10.6**	12.4	0.14	0.18	0.17	<0.02	0.2	0.21	0.56	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 May 2022	0908_MW466_220519	Normal	NSW_0908_PFASOMP	0.17	*10*	1.84	**11.8**	13.1	0.11	0.12	0.15	0.04	<0.1	0.12	0.45	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Jun 2022	0908_MW466_220620	Normal	NSW_0908_PFASMGMT	0.17	*11.8*	2.05	**13.8**	15.2	0.1	0.14	0.15	0.06	<0.1	0.14	0.41	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	12 Sep 2022	0908_MW466_220912	Normal	NSW_0908_PFASMGMT	0.3	*18.8*	3.33	**22.1**	24.2	0.14	0.2	0.28	0.04	0.1	0.21	0.62	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	10 Nov 2022	0908_MW466_221110	Normal	NSW_0908_PFASOMP	**0.63**	*19.1*	5.72	**24.8**	28.1	0.17	0.3	0.76	0.07	0.1	0.18	0.75	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	10 May 2023	0908_MW466_230510	Normal	NSW_0908_PFASOMP_23	0.16	*18.4*	1.3	**19.7**	20.6	0.07	0.09	0.19	<0.02	<0.1	0.09	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Nov 2023	0908_MW466_231122	Normal	NSW_0908_PFASOMP_23	0.3	*17.1*	1.14	**18.2**	19.4	0.05	0.07	0.39	<0.02	<0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
MW466	18 Apr 2024	0908_MW466_240418	Normal	NSW_0908_PFASOMP_24		0.12	*17.7*	1.33	**19**	20	0.08	0.11	0.15	0.04	<0.1	0.08	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 Nov 2014	MW68_17112014	Normal	NSW_0908_PFAS		**0.71**	*47*	6.6	**53.6**	-	0.68	-	-	0.05	-	0.14	1.6	0.27	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW468	02 Feb 2016	W68_02022016	Normal	NSW_0908_PFAS		0.55	*22.8*	-	**22.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW468	30 Aug 2016	W68_300816	Normal	NSW_0908_PFAS		**0.79**	*37*	9.8	**46.8**	-	0.89	-	-	<0.01	0.05	0.21	2.7	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW468	19 Oct 2016	W68_191016	Normal	NSW_0908_PFAS		0.42	*28*	5.6	**33.6**	-	0.43	-	-	<0.01	0.22	0.2	1.5	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW468	12 Jan 2017	W68_120117	Normal	ACTNSW_Hist_202012-3		0.37	*45*	3.8	**48.8**	-	0.27	-	-	<0.01	0.12	0.17	1.1	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.02	-	<0.05	-	<0.05	-	-	<0.05	-
MW468	24 Jan 2017	W68_24012017	Normal	NSW_0908_PFAS		**0.65**	*54.4*	7.09	**61.49**	66	0.42	0.57	0.47	<0.02	<0.1	0.38	1.7	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Jan 2017	W68_24012017	Normal	NSW_0908_PFAS		-	-	-	**61.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	02 May 2017	W68_020517	Normal	ACTNSW_Hist_202012-3		0.48	*29*	6.2	**35.2**	-	<0.3	0.51	0.51	<0.3	<0.3	0.35	1.2	0.23	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW468	20 Apr 2018	W68_GW_20042018	Normal	NSW_0908_PFAS		0.21	*27.8*	2.42	**30.2**	32.3	0.27	0.32	0.24	0.04	<0.1	0.2	0.74	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	20 Apr 2018	W68_GW_20042018	Normal	NSW_0908_PFAS		-	-	-	**30.22**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	22 Aug 2018	0908_W68_180822	Normal	NSW_0908_PFASMGMT		0.27	*14.9*	4.66	**19.6**	22.2	0.22	0.35	0.24	<0.02	0.1	0.28	0.99	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	14 Sep 2018	0908_W68_180914	Normal	NSW_0908_PFASMGMT		0.23	*12.8*	3.07	**15.9**	18.5	0.23	0.28	0.24	<0.02	<0.1	0.27	1.2	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Nov 2018	0908_W68_181129	Normal	NSW_0908_PFAS		0.26	*15.7*	3.69	**19.4**	21.6	0.31	0.35	0.21	<0.02	<0.1	0.19	0.8	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Nov 2018	0908_W68_181129	Normal	NSW_0908_PFAS		-	-	-	**19.39**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	23 Apr 2019	0908_W68_190423	Normal	NSW_0908_PFASMGMT		0.24	*12.5*	3.73	**16.2**	18.5	0.32	0.39	0.26	<0.02	<0.1	0.16	0.77	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 May 2019	0908_W68_190522	Normal	NSW_0908_PFASMGMT		0.13	*8.23*	1.48	**9.71**	10.8	0.06	0.12	0.11	0.03	<0.1	0.17	0.33	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	31 May 2019	0908_W68_190531	Normal	NSW_0908_PFAS		0.11	*7.49*	1.09	**8.58**	9.54	0.06	0.09	0.08	0.03	<0.1	0.2	0.31	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 Jun 2019	0908_W68_190619	Normal	NSW_0908_PFASMGMT		0.08	*5.99*	0.83	**6.82**	7.55	0.03	0.07	0.06	<0.02	<0.1	0.13	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Sep 2019	0908_W68_190924	Normal	NSW_0908_PFASMGMT		0.22	*8.58*	2.83	**11.4**	13.7	0.21	0.28	0.15	<0.02	<0.1	0.32	0.91	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	08 Nov 2019	0908_MW468_191108	Normal	NSW_0908_PFASOMP		0.2	*13.2*	3.48	**16.7**	18.8	0.23	0.27	0.17	<0.02	0.1	0.24	0.72	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	03 Dec 2019	0908_W68_191203	Normal	NSW_0908_PFAS		0.05	*3.43*	0.56	**3.99**	4.88	0.06	0.06	0.04	0.02	<0.1	0.22	0.39	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Mar 2020	0908_W68_200316	Normal	NSW_0908_PFASMGMT		<0.05	*1.73*	0.19	**1.92**	1.97	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW468	11 May 2020	0908_MW468_200511	Normal	NSW_0908_PFASOMP		0.32	*11.5*	6.59	**18.1**	22.8	0.62	1.25	0.37	0.03	0.1	0.29	1.36	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	23 Jun 2020	0908_MW468_200623	Normal	NSW_0908_PFASMGMT		0.12	*4.66*	1.41	**6.07**	7.69	0.13	0.16	0.08	0.03	<0.1	0.21	0.53	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.21	<0.05	<0.05	0.07	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	01 Oct 2020	0908_MW468_201001	Normal	NSW_0908_PFASMGMT		0.11	*5.89*	1.38	**7.27**	8.69	0.15	0.21	0.09	0.02	<0.1	0.16	0.45	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.13	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 Nov 2020	0908_MW468_201117	Normal	NSW_0908_PFASOMP		0.2	*7.1*	5.12	**12.2**	15.9	0.59	0.8	0.16	<0.02	0.2	0.27	1.26	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	13 Jan 2021	0908_MW468_210113	Normal	NSW_0908_PFASMGMT		0.27	*12.3*	4.95	**17.2**	19.8	0.25	0.48	0.23	0.03	<0.1	0.18	0.69	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.2	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Mar 2021	0908_MW468_210329	Normal	NSW_0908_PFASMGMT		0.06	*3*	0.48	**3.48**	3.78	0.03	0.04	0.04	<0.02	<0.1	0.04	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 May 2021	0908_MW468_210517	Normal	NSW_0908_PFASOMP		0.32	*15.9*	5.59	**21.5**	24.8	0.31	0.52	0.37	0.03	0.2	0.31	0.96	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	23 Jun 2021	0908_MW468_210623	Normal	NSW_0908_PFASMGMT		0.44	*10.8*	5.66	**16.5**	19.7	0.23	0.39	0.24	<0.02	0.2	0.3	1.15	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 Sep 2021	0908_MW468_210922	Normal	NSW_0908_PFASMGMT		0.38	*14.3*	5.62	**19.9**	22.9	0.29	0.39	0.33	<0.02	0.2	0.29	0.84	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Nov 2021	0908_MW468_211116	Normal	NSW_0908_PFASOMP		0.34	*14.9*	5.74	**20.6**	23.5	0.27	0.38	0.26	0.02	0.2	0.28	0.93	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Nov 2021	0908_QC208_211116	Interlab_D	NSW_0908_PFASOMP		0.32	*14*	5.3	**19**	22	0.23	0.34	0.3	<0.02	0.2	0.25	0.87	0.18	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.09	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW468	12 Jan 2022	0908_MW468_220112	Normal	NSW_0908_PFASMGMT		0.21	*9.9*	2.14	**12**	13.7	0.12	0.14	0.16	0.02	<0.1	0.18	0.58	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.1	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	14 Mar 2022	0908_MW468_220314	Normal	NSW_0908_PFASMGMT		0.26	*21.7*	2.72	**24.4**	26.4	0.16	0.21	0.19	0.02	0.1	0.2	0.62	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.14	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 May 2022	0908_MW468_220519	Normal	NSW_0908_PFASOMP		0.29	*16*	3.38	**19.4**	21.7	0.15	0.23	0.3	0.03	0.1	0.23	0.67	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 May 2022	0908_QC210_220519	Interlab_D	NSW_0908_PFASOMP		0.35	*17*	3.6	**21**	23	0.16	0.2	0.29	0.03	0.1	0.24	0.56	0.12	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.12	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW468	20 Jun 2022	0908_MW468_220620	Normal	NSW_0908_PFASMGMT		0.23	*15.4*	3.21	**18.6**	20.1	0.16	0.24	0.22	0.02	<0.1	0.11	0.34	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	12 Sep 2022	0908_MW468_220912	Normal	NSW_0908_PFASMGMT		0.31	*16.1*	3.37	**19.5**	21.4	0.12	0.21	0.28	<0.02	0.1	0.18	0.49	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.1	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	12 Sep 2022	0908_QC101_220912	Field_D	NSW_0908_PFASMGMT		0.31	*15.6*	3.67	**19.3**	21.2	0.13	0.19	0.28	0.02	0.1	0.19	0.52	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.1	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	10 Nov 2022	0908_MW468_221110	Normal	NSW_0908_PFASOMP		0.53	*27.1*	6.57	**33.7**	37	0.21	0.34	0.68	<0.02	0.2	0.23	0.94	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	10 May 2023	0908_MW468_230510	Normal	NSW_0908_PFASOMP_23		0.21	*14*	1.35	**15.4**	16.4	0.07	0.09	0.23	<0.02	<0.1	0.08	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 Nov 2023	0908_MW468_231122	Normal	NSW_0908_PFASOMP_23		0.14	*10.1*	1.35	**11.4**	12.4	0.06	0.11	0.16	<0.02	<0.1	0.09	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	18 Apr 2024	0908_MW468_240418	Normal	NSW_0908_PFASOMP_24		0.11	*7.23*	1.11	**8.34**	9.55	0.06	0.09	0.1	<0.02	<0.1	0.11	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.26	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	08 Dec 2020	0908_MW731D_201208	Normal	NSW_0908_PFASMGMT		0.16	*3.36*	1.86	**5.22**	6.62	0.41	0.15	0.17	<0.02	<0.1	0.07	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	09 May 2024	0908_MW731D_240509	Normal	NSW_0908_PFASOMP_24		**0.58**	*14.5*	6.36	**20.9**	25.9	0.73	0.69	0.68	<0.02	0.2	0.24	1.27	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	02 Dec 2020	0908_QC200_201209	Interlab_D	NSW_0908_PFASMGMT		0.27	*13*	2.8	**15.8**	-	0.3	0.31	0.2	<0.01	0.17	0.28	0.83	0.17	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.28	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW731S	08 Dec 2020	0908_MW731S_201208	Normal	NSW_0908_PFASMGMT		0.3	*18.3*	3.28	**21.6**	24.2	0.29	0.29	0.31	<0.02	0.1	0.26	0.75	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	09 Dec 2020	0908_MW731S_201209	Normal	NSW_0908_PFASMGMT		0.36	*18.4*	3.7	**22.1**	25.4	0.38	0.34	0.31	<0.02	0.2	0.31	0.94	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	02 Aug 2024	0908_MW731S_240802	Normal	NSW_0908_PFASOMP_24		**0.59**	*19.6*	5.37	**25**	30.1	0.49	0.58	0.58	0.02	0.3	0.36	1.36	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.19	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	0.02	<0.05
MW829	30 Mar 2017	PS9_BORE30_300317	Normal	NSW_0908_PFAS		<0.01	*0.06*	0.12	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908_PS9_30_181206	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908_QC111_181206	Field_D	NSW_0908_PFAS		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908-QC206-181206	Interlab_D	NSW_0908_PFAS		<0.01	<0.02	0.014	0.034	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW829	24 May 2019	0908_PS9_BORE30_190524	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Nov 2019	0908_PS9_BORE 30_191106	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	27 May 2020	0908_MW652_200527	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	19 Nov 2020	0908_MW829_201119	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids					PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																																
MW829	25 May 2021	0908_MW829_210525	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	15 Nov 2021	0908_MW829_211115	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	30 May 2022	0908_MW829_220530	Normal	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	08 Nov 2022	0908_MW829_221108	Normal	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	11 May 2023	0908_MW829_230511	Normal	NSW_0908_PFASOMP_23		<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	23 Nov 2023	0908_MW829_231123	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_MW829_240422	Normal	NSW_0908_PFASOMP_24		<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC110_240422	Field_D	NSW_0908_PFASOMP_24		<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC210_240422	Interlab_D	NSW_0908_PFASOMP_24		<0.01	*0.03*	0.02	0.06	0.06	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW842	24 Mar 2017	SK3496_D_24032017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	22 May 2019	0908_SK3496_D_190522	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	25 May 2021	0908_MW842_210525	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	02 Jun 2022	0908_MW842_220602	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	18 May 2023	0908_MW842_230518	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	23 Apr 2024	0908_MW842_240423	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	24 Mar 2017	SK3496_S_24032017	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	22 May 2019	0908_SK3496_S_190522	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	25 May 2021	0908_MW844_210525	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	02 Jun 2022	0908_MW844_220602	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	18 May 2023	0908_MW844_230518	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	31 Jul 2024	0908_MW844_240731	Normal	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW886	06 Jun 2019	DF1G_MW02_060619	Normal	NSW_0908_FSBGME		0.28	*46.4*	3.96	**50.4**	51.8	0.03	0.08	0.74	<0.02	<0.1	0.06	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW886	29 Apr 2021	0908_MW886_210429	Normal	NSW_0908_PCAEST0013		0.55	*59*	4.3	**63.3**	65.18	0.02	0.03	0.37	<0.01	0.2	0.16	0.39	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW886	23 Apr 2024	0908_MW886_240423	Normal	NSW_0908_PFASOMP_24		0.2	*66.2*	1.8	**68**	69.5	0.05	0.08	0.43	<0.02	<0.1	0.06	0.32	0.05	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	12 Aug 2021	0908_MW897D_210812	Normal	NSW_0908_PFASMGMT		0.02	*1.02*	0.28	**1.3**	1.4	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	12 Aug 2021	0908_QC100_210812	Field_D	NSW_0908_PFASMGMT		0.02	*0.92*	0.27	**1.19**	1.28	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_MW897D_240424	Normal	NSW_0908_PFASOMP_24		<0.01	*0.5*	0.08	**0.58**	0.58	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC111_240424	Field_D	NSW_0908_PFASOMP_24		<0.01	*0.75*	0.07	**0.82**	0.85	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC211_240424	Interlab_D	NSW_0908_PFASOMP_24		<0.01	*0.55*	0.09	**0.63**	0.65	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW897S	12 Aug 2021	0908_MW897S_210812	Normal	NSW_0908_PFASMGMT		0.02	*0.15*	0.08	**0.23**	0.27	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_MW897S_240424	Normal	NSW_0908_PFASOMP_24		<0.01	*0.22*	0.04	**0.26**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC113_240424	Field_D	NSW_0908_PFASOMP_24		<0.01	*0.26*	0.04	**0.3**	0.3	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC213_240424	Interlab_D	NSW_0908_PFASOMP_24		<0.01	*0.2*	0.03	**0.23**	0.27	0.02	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
POT046	21 Oct 2015	BWS46_211015	Normal	NSW_0908_PFAS		<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT046	17 Jan 2017	BWS46_170117	Normal	NSW_0908_PFAS		<0.01	*0.08*	0.03	**0.11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT046	06 Jun 2019	0908_BWS046_190606	Normal	NSW_0908_PFAS		<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	28 May 2020	0908_POT046_200528	Normal	NSW_0908_PFASOMP		<0.01	*0.11*	0.04	**0.15**	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	13 May 2021	0908_POT046_210513	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	0.04	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	27 May 2022	0908_POT046_220527	Normal	NSW_0908_PFASOMP		<0.01	*0.13*	0.06	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	16 May 2023	0908_POT046_230516	Normal	NSW_0908_PFASOMP_23		<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	27 Oct 2015	BWS85_271015	Normal	NSW_0908_PFAS		<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT085	06 Dec 2016	BWS085_061216	Normal	NSW_0908_PFAS		0.02	*0.03*	<0.02	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT085	18 Jun 2019	0908_BWS085_190618	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	28 May 2020	0908_POT085_200528	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	19 Nov 2021	0908_POT085_211119	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	16 May 2022	0908_POT085_220516	Normal	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	15 May 2023	0908_POT085_230515	Normal	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	29 Oct 2015	BWS107_291015	Normal	NSW_0908_PFAS		<0.02	*0.02*	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT107	29 Nov 2016	BWS107_291116	Normal	NSW_0908_PFAS		<0.01	*0.05*	0.26	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
POT107	09 Apr 2018	BWS107_GW_09042018	Normal	NSW_0908_PFAS		0.01	*0.04*	0.07	**0.11**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	04 Jun 2019	0908_BWS107_190604	Normal	NSW_0908_PFAS		<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	07 Nov 2019	0908_POT107_191107	Normal	NSW_0908_PFASOMP		<0.01	*0.02*	0.06	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	26 May 2020	0908_POT107_200526	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	12 May 2021	0908_POT107_210512	Normal	NSW_0908_PFASOMP		0.05	*0.02*	0.03	0.05	0.13	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	31 May 2022	0908_POT107_220531	Normal	NSW_0908_PFASOMP		0.04	*0.04*	0.04	**0.08**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	14 Nov 2022	0908_POT107_221114	Normal	NSW_0908_PFASOMP		0.01	*0.02*	0.01	0.03	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	15 May 2023	0908_POT107_230515	Normal	NSW_0908_PFASOMP_23		0.01	*0.03*	0.02	0.05	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	23 Apr 2024	0908_POT107_240423	Normal	NSW_0908_PFASOMP_24		0.01	*0.02*	0.01	0.03	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	06 Nov 2015	BWS144_061115	Normal	NSW_0908_PFAS		<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-

Table T8 - Historical Groundwater Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR					0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water					**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water					**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%					*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
POT144	30 Jan 2017	BWS144_300117	Normal	NSW_0908_PFAS	<0.01	*0.05*	<0.02	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POT144	04 Jun 2019	0908_BWS144_190604	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	27 May 2020	0908_POT144_200527	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	13 May 2021	0908_POT144_210513	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	16 May 2022	0908_POT144_220516	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	17 May 2023	0908_POT144_230517	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	09 May 2024	0908_POT144_240509	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	24 Aug 2016	BWS236_240816	Normal	NSW_0908_PFAS	<0.01	*0.05*	0.03	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	24 Aug 2016	QC99_240816	Field_D	NSW_0908_PFAS	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	27 Feb 2017	BWS236_270217	Normal	NSW_0908_PFAS	<0.01	*0.06*	0.1	**0.16**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
POT236	03 Jun 2019	0908_BWS236_190603	Normal	NSW_0908_PFAS	<0.01	*0.03*	0.06	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	28 May 2020	0908_POT236_200528	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.12	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	12 May 2021	0908_POT236_210512	Normal	NSW_0908_PFASOMP	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	18 May 2022	0908_POT236_220518	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	0.04	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	16 May 2023	0908_POT236_230516	Normal	NSW_0908_PFASOMP_23	<0.01	*0.03*	0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	12 Nov 2021	0908_POT382_211112	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	18 May 2022	0908_POT382_220518	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	14 Nov 2022	0908_POT382_221114	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	17 May 2023	0908_POT382_230517	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	28 Nov 2023	0908_POT382_231128	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	23 Apr 2024	0908_POT382_240423	Normal	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SW001	18 Jun 2014	MD1_WATER	Normal	NSW_0908_PFAS	0.06	*0.82*	0.56	1.38	-	0.04	-	-	<0.01	-	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW001	18 Jun 2014	QC1_WATER	Field_D	NSW_0908_PFAS	0.06	*0.73*	0.52	1.25	-	0.04	-	-	<0.01	-	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW001	26 Jun 2014	QAQC2_WATER	Interlab_D	NSW_0908_PFAS	0.13	*5.26*	-	**5.26**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
SW001	13 Jan 2016	MD1_SW_1312016	Normal	NSW_0908_PFAS	0.109	*2.52*	-	**2.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-
SW001	15 Jan 2016	MD1_SW_15012016	Normal	NSW_0908_PFAS	0.039	*1.42*	-	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW001	14 Dec 2016	MD1_SW_20161214	Normal	NSW_0908_PFAS	0.11	*4.3*	1.13	**5.43**	6.06	0.09	0.09	0.13	<0.02	<0.1	0.04	0.12	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Dec 2016	QC401_20161214	Field_D	NSW_0908_PFAS	0.1	*5.2*	1.22	**6.42**	7.06	0.08	0.08	0.16	<0.02	<0.1	0.03	0.14	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Dec 2016	QC501_20161214	Interlab_D	NSW_0908_PFAS	0.098	*5.5*	6.3	**11.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
SW001	02 Feb 2017	MD1_SW_020217	Normal	NSW_0908_PFAS	0.08	*3.06*	0.59	**3.65**	3.98	0.04	0.05	0.05	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Feb 2017	MD1_SW_090217	Normal	NSW_0908_PFAS	<0.05	*0.44*	0.16	0.6	0.6	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW001	16 Feb 2017	MD1_SW_16022017	Normal	NSW_0908_PFAS	0.17	*6.12*	1.5	**7.62**	8.6	0.1	0.11	0.18	<0.02	0.1	0.07	0.2	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Feb 2017	MD1_SW_240217	Normal	NSW_0908_PFAS	0.11	*3.76*	0.91	**4.67**	5.24	0.07	0.07	0.11	<0.02	<0.1	0.05	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	MD1_SW_020317	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	QC410_SW_020317	Field_D	NSW_0908_PFAS	<0.01	*0.14*	0.07	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	QC509_02032017	Interlab_D	NSW_0908_PFAS	<0.02	*0.16*	0.084	0.244	-	<0.01	-	-	<0.02	<0.05	<0.02	0.017	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW001	09 Mar 2017	MD1_SW_090317	Normal	NSW_0908_PFAS	0.02	*0.3*	0.23	0.53	0.62	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	16 Mar 2017	MD1_SW_20170316	Normal	NSW_0908_PFAS	<0.01	*0.1*	0.02	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	23 Mar 2017	MD1_SW_230317	Normal	NSW_0908_PFAS	0.02	*1.11*	0.34	1.45	1.63	0.03	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0330	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0331	Normal	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0430	Normal	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0445	Normal	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0500	Normal	NSW_0908_PFAS	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0600	Normal	NSW_0908_PFAS	<0.01	*0.09*	0.02	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0615	Normal	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0630	Normal	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_ 0645	Normal	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	31 Mar 2017	MD1_AS_310317_2345	Normal	NSW_0908_PFAS	0.02	*1.06*	0.45	1.51	1.74	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	31 Mar 2017	MD1_SW_310317	Normal	NSW_0908_PFAS	<0.01	*0.33*	0.14	0.47	0.49	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0000	Normal	NSW_0908_PFAS	<0.01	*0.28*	0.09	0.37	0.39	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0015	Normal	NSW_0908_PFAS	<0.01	*0.27*	0.07	0.34	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0030	Normal	NSW_0908_PFAS	<0.01	*0.23*	0.06	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0045	Normal	NSW_0908_PFAS	<0.01	*0.22*	0.06	0.28	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_545	Normal	NSW_0908_PFAS	0.02	*0.68*	0.34	1.02	1.17	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_600	Normal	NSW_0908_PFAS	0.02	*0.84*	0.3	1.14	1.29	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_615	Normal	NSW_0908_PFAS	0.01	*0.37*	0.12	0.49	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_630	Normal	NSW_0908_PFAS	<0.01	*0.29*	0.1	0.39	0.39	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_745	Normal	NSW_0908_PFAS	<0.01	*0.16*	0.05	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_800	Normal	NSW_0908_PFAS	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_815	Normal	NSW_0908_PFAS	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_830	Normal	NSW_0908_PFAS	0.02	*0.08*	<0.02	0.08	0.61	<0.02	<0.02	<0.02	<0.02	<0.1	0.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_845	Normal	NSW_0908_PFAS	<0.01	*0.09*	0.02	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1430	Normal	NSW_0908_PFAS	<0.01	*0.11*	0.02	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1445	Normal	NSW_0908_PFAS	0.03	*0.72*	0.26	0.98	1.63	0.04	0.04	<0.02	<0.02	<0.1	0.5	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1700	Normal	NSW_0908_PFAS	<0.01	*1.05*	0.54	1.59	1.83	0.06	0.06	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1715	Normal	NSW_0908_PFAS	<0.01	*0.8*	0.27	1.07	1.7	0.03	0.03	<0.02	<0.02	<0.1	0.52	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1730	Normal	NSW_0908_PFAS	<0.01	*0.39*	0.1	0.49	1.05	<0.02	<0.02	<0.02	<0.02	<0.1	0.54	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Apr 2017	MD1_SW_050417	Normal	NSW_0908_PFAS	0.03	*0.8*	0.38	1.18	1.34	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW001	06 Apr 2017	MD1_AS_060417_0230	Normal	NSW_0908_PFAS		0.03	*4.31*	1.13	**5.44**	6.53	0.1	0.12	0.07	<0.02	<0.1	0.52	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0345	Normal	NSW_0908_PFAS		<0.01	*0.11*	0.02	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0400	Normal	NSW_0908_PFAS		<0.01	*0.12*	0.03	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0415	Normal	NSW_0908_PFAS		<0.01	*0.17*	0.04	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0430	Normal	NSW_0908_PFAS		<0.01	*0.18*	0.05	0.23	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0445	Normal	NSW_0908_PFAS		<0.01	*0.22*	0.07	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0500	Normal	NSW_0908_PFAS		<0.01	*0.21*	0.07	0.28	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 May 2017	MD1_SW_040517	Normal	NSW_0908_PFAS		0.11	*4.35*	2.59	**6.94**	-	0.19	0.28	0.22	<0.02	<0.1	<0.02	0.28	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Jun 2017	MD1_SW_010617	Normal	NSW_0908_PFAS		0.07	*2.23*	1.25	**3.48**	4.64	0.21	0.16	0.12	<0.02	<0.1	0.1	0.47	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Jul 2017	MD1_SW_200717	Normal	NSW_0908_PFAS		0.11	*3.71*	2.44	**6.15**	7.58	0.22	0.3	0.22	<0.02	<0.1	0.08	0.43	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	12 Apr 2018	MD1_SW_12042018	Normal	NSW_0908_PFAS		0.06	*3.14*	0.55	**3.69**	4.03	0.03	0.04	0.07	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Dec 2018	0908_MD1_SW_181206	Normal	NSW_0908_PFAS		0.07	*2.92*	0.68	**3.6**	4.03	0.04	0.05	0.07	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Apr 2019	0908_MD01_190409	Normal	NSW_0908_PFAS		0.12	*4.83*	1.25	**6.08**	-	0.08	0.11	0.14	<0.02	0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Jun 2019	0908_MD1_SW_190614	Normal	NSW_0908_PFAS		0.03	*2.45*	0.38	**2.83**	2.98	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Nov 2019	0908_MD1_SW_191105	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	<0.02	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Jun 2020	0908_SW001_200602	Normal	NSW_0908_PFASOMP		0.04	*2.24*	0.48	**2.72**	2.99	0.03	0.03	0.06	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	27 Oct 2020	0908_SW001_201027	Normal	NSW_0908_PFASMGMT		<0.04	*0.49*	0.20	0.69	0.69	<0.04	<0.04	<0.04	<0.02	<0.1	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Oct 2020	0908_QC100_201028	Field_D	NSW_0908_PFASMGMT		<0.05	*0.60*	0.25	0.85	0.93	<0.05	<0.05	<0.05	<0.02	<0.1	<0.05	0.08	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Oct 2020	0908_SW001_201028	Normal	NSW_0908_PFASMGMT		<0.05	*0.66*	0.23	0.89	0.95	<0.05	<0.05	<0.05	<0.02	<0.1	<0.05	0.06	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Nov 2020	0908_QC102_201120	Field_D	NSW_0908_PFASOMP		0.12	*6.86*	1.68	**8.54**	9.58	0.15	0.16	0.19	<0.02	<0.1	0.06	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Nov 2020	0908_QC202_201120	Interlab_D	NSW_0908_PFASOMP		0.06	*2.6*	1	-	-	0.09	0.097	0.082	<0.01	<0.05	0.039	0.18	0.028	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	20 Nov 2020	0908_SW001_201120	Normal	NSW_0908_PFASOMP		0.13	*5.30*	1.67	**6.97**	8.05	0.16	0.16	0.19	<0.02	<0.1	0.06	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 Dec 2020	0908_QC100_201218	Field_D	NSW_0908_PFASOMP		0.03	*1.89*	0.42	**2.31**	2.53	0.03	0.03	0.04	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 Dec 2020	0908_QC200_201218	Interlab_D	NSW_0908_PFASOMP		0.03	*1.8*	0.44	-	-	0.022	0.026	0.035	<0.01	<0.05	0.024	0.072	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	18 Dec 2020	0908_SW001_201218	Normal	NSW_0908_PFASOMP		0.03	*1.85*	0.39	**2.24**	2.45	0.03	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211510	Normal	NSW_0908_PFASOMP		0.02	*0.81*	0.20	1.01	1.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211610	Normal	NSW_0908_PFASOMP		<0.01	*0.45*	0.09	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211710	Normal	NSW_0908_PFASOMP		<0.01	*0.39*	0.09	0.48	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211810	Normal	NSW_0908_PFASOMP		<0.01	*0.49*	0.14	0.63	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211910	Normal	NSW_0908_PFASOMP		0.01	*0.69*	0.16	0.85	0.89	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212010	Normal	NSW_0908_PFASOMP		0.01	*0.57*	0.14	0.71	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212110	Normal	NSW_0908_PFASOMP		0.01	*0.62*	0.14	0.76	0.79	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212210	Normal	NSW_0908_PFASOMP		0.01	*0.59*	0.13	0.72	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212310	Normal	NSW_0908_PFASOMP		<0.01	*0.44*	0.10	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220010	Normal	NSW_0908_PFASOMP		<0.01	*0.45*	0.09	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220110	Normal	NSW_0908_PFASOMP		<0.01	*0.27*	0.06	0.33	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220210	Normal	NSW_0908_PFASOMP		<0.01	*0.36*	0.10	0.46	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220310	Normal	NSW_0908_PFASOMP		<0.01	*0.46*	0.14	0.60	0.62	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220410	Normal	NSW_0908_PFASOMP		0.01	*0.62*	0.18	0.80	0.84	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220510	Normal	NSW_0908_PFASOMP		0.02	*0.79*	0.25	1.04	1.12	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220610	Normal	NSW_0908_PFASOMP		0.02	*1.04*	0.31	1.35	1.46	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220710	Normal	NSW_0908_PFASOMP		0.02	*1.17*	0.32	1.49	1.60	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220810	Normal	NSW_0908_PFASOMP		0.02	*1.09*	0.34	1.43	1.56	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_QC102_210128	Field_D	NSW_0908_PFASOMP		0.02	*0.89*	0.28	1.17	1.25	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_QC202_210128	Interlab_D	NSW_0908_PFASOMP		0.019	*0.91*	0.26	-	-	0.01	0.011	0.014	<0.01	<0.05	<0.02	0.038	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	28 Jan 2021	0908_SW001_2101281650	Normal	NSW_0908_PFASOMP		0.02	*0.96*	0.28	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281750	Normal	NSW_0908_PFASOMP		0.02	*0.94*	0.30	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281850	Normal	NSW_0908_PFASOMP		0.01	*0.48*	0.13	0.61	0.64	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SW001	28 Jan 2021	0908_SW001_2101281950	Normal	NSW_0908_PFASOMP		<0.01	*0.38*	0.10	0.48	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282050	Normal	NSW_0908_PFASOMP		<0.01	*0.43*	0.12	0.55	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282150	Normal	NSW_0908_PFASOMP		<0.01	*0.35*	0.10	0.45	0.45	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282250	Normal	NSW_0908_PFASOMP		0.01	*0.43*	0.14	0.57	0.61	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282350	Normal	NSW_0908_PFASOMP		0.01	*0.52*	0.14	0.66	0.70	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_210129	Normal	NSW_0908_PFASOMP		0.02	*1.03*	0.29	1.32	1.43	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290050	Normal	NSW_0908_PFASOMP		0.01	*0.64*	0.19	0.83	0.87	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290150	Normal	NSW_0908_PFASOMP		0.02	*0.68*	0.21	0.89	0.95	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290250	Normal	NSW_0908_PFASOMP		0.02	*0.76*	0.27	1.03	1.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290350	Normal	NSW_0908_PFASOMP		0.02	*0.94*	0.30	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290450	Normal	NSW_0908_PFASOMP		0.02	*0.94*	0.32	1.26	1.38	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290550	Normal	NSW_0908_PFASOMP		0.02	*1.03*	0.32	1.35	1.46	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290650	Normal	NSW_0908_PFASOMP		0.03	*1.49*	0.45	1.94	2.15	0.03	0.02	0.03	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290750	Normal	NSW_0908_PFASOMP		0.03	*1.28*	0.36	1.64	1.78	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290850	Normal	NSW_0908_PFASOMP		0.03	*1.45*	0.44	1.89	2.09	0.02	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290950	Normal	NSW_0908_PFASOMP		0.03	*1.49*	0.40	1.89	2.10	0.02	0.03	0.04	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291050	Normal	NSW_0908_PFASOMP		0.02	*1.05*	0.30	1.35	1.45	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291150	Normal	NSW_0908_PFASOMP		0.02	*1.04*	0.31	1.35	1.48	0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291250	Normal	NSW_0908_PFASOMP		0.02	*1.06*	0.29	1.35	1.48	0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291350	Normal	NSW_0908_PFASOMP		0.02	*0.84*	0.23	1.07	1.18	0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291450	Normal	NSW_0908_PFASOMP		0.02	*0.84*	0.24	1.08	1.17	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291550	Normal	NSW_0908_PFASOMP		0.02	*0.90*	0.27	1.17	1.26	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	19 Feb 2021	0908_SW001_210219	Normal	NSW_0908_PFASOMP		0.01	*0.76*	0.16	0.92	0.98	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	26 Mar 2021	0908_SW001_210326	Normal	NSW_0908_PFASOMP		0.04	*1.64*	0.47	**2.11**	2.37	0.02	0.03	0.04	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	23 Apr 2021	0908_SW001_210423	Normal	NSW_0908_PFASOMP		0.05	*2.02*	0.61	**2.63**	2.99	0.05	0.06	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 May 2021	0908_SW001_210511	Normal	NSW_0908_PFASOMP		0.09	*3.93*	1.16	**5.09**	5.84	0.12	0.13	0.12	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Jun 2021	0908_SW001_210625	Normal	NSW_0908_PFASOMP		0.03	*1.31*	0.37	1.68	1.86	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Jul 2021	0908_SW001_210709	Normal	NSW_0908_PFASMGMT		0.02	*1.00*	0.22	1.22	1.32	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	30 Jul 2021	0908_SW001_210730	Normal	NSW_0908_PFASOMP		0.07	*5.57*	0.72	**6.29**	6.71	0.04	0.05	0.07	<0.02	<0.1	0.04	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Aug 2021	0908_SW001_210820	Normal	NSW_0908_PFASOMP		0.06	*2.75*	0.52	**3.27**	3.60	0.03	0.04	0.06	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	27 Sep 2021	0908_SW001_210927	Normal	NSW_0908_PFASOMP		0.04	*2.21*	0.48	**2.69**	2.94	0.02	0.03	0.04	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Oct 2021	0908_SW001_211025	Normal	NSW_0908_PFASOMP		0.05	*2.63*	0.47	**3.10**	3.40	0.03	0.04	0.05	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	19 Nov 2021	0908_QC114_211119	Field_D	NSW_0908_PFASOMP		0.05	*2.30*	0.53	**2.83**	3.19	0.07	0.03	0.05	<0.02	<0.1	0.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	19 Nov 2021	0908_SW001_211119	Normal	NSW_0908_PFASOMP		0.04	*2.18*	0.45	**2.63**	2.94	0.05	0.04	0.04	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 May 2022	0908_SW001_220518	Normal	NSW_0908_PFASOMP		0.03	*1.65*	0.37	**2.02**	2.25	0.02	0.03	0.04	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	13 Jul 2022	0908_QC100_220713	Field_D	NSW_0908_PFASMGMT		0.01	*0.63*	0.11	0.74	0.78	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	13 Jul 2022	0908_SW001_220713	Normal	NSW_0908_PFASMGMT		0.01	*0.59*	0.10	0.69	0.73	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	NSW_0908_PFASMGMT		0.01	*0.83*	0.21	0.98	1.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	NSW_0908_PFASMGMT		-	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	NSW_0908_PFASMGMT		0.01	*0.76*	0.20	0.92	1.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	NSW_0908_PFASMGMT		-	-	-	0.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW001	08 Nov 2022	0908_SW001_221108	Normal	NSW_0908_PFASOMP		0.03	*1.46*	0.34	1.80	1.99	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	08 May 2023	0908_SW001_230508	Normal	NSW_0908_PFASOMP_23		0.04	*2.16*	0.41	**2.57**	2.80	<0.02	0.03	0.04	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Nov 2023	0908_SW001_231121	Normal	NSW_0908_PFASOMP_23		0.02	*1.16*	0.24	1.40	1.54	0.03	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Apr 2024	0908_SW001_240424	Normal	NSW_0908_PFASOMP_24		0.04	*2.50*	0.49	**2.99**	3.32	0.03	0.04	0.04	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 Jun 2014	MD5_WATER	Normal	NSW_0908_PFAS		0.01	*0.03*	0.15	0.18	-	0.02	-	-	<0.01	-	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW005	25 Jan 2016	MD5_SW_2512016	Normal	NSW_0908_PFAS		<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
SW005	20 Dec 2016	MD5_SW_161220	Normal	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW005	02 Feb 2017	MD5_SW_020217	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
SW005	09 Feb 2017	MD5_SW_090217	Normal	NSW_0908_PFAS		<0.05	*0.12*	0.14	0.26	0.26	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	16 Feb 2017	MD5_SW_16022017	Normal	NSW_0908_PFAS		<0.05	*0.05*	<0.05	0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	24 Feb 2017	MD5_SW_240217	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	02 Mar 2017	MD5_SW_020317	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	09 Mar 2017	MD5_SW_090317	Normal	NSW_0908_PFAS		<0.05	*0.05*	<0.05	0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	0.08	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	17 Mar 2017	MD5_SW_20170317	Normal	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	23 Mar 2017	MD5_SW_23032017	Normal	NSW_0908_PFAS		<0.01	*0.17*	0.08	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Mar 2017	MD5_SW_300317	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	06 Apr 2017	MD5_SW_060417	Normal	NSW_0908_PFAS		0.03	*0.84*	0.38	1.22	1.38	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	04 May 2017	MD5_SW_040517	Normal	NSW_0908_PFAS		0.05	*1.94*	0.92	**2.86**	-	0.05	0.08	0.09	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	01 Jun 2017	MD5_SW_010617	Normal	NSW_0908_PFAS		<0.01	*0.33*	0.22	0.55	0.55	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	MD5_SW_200717	Normal	NSW_0908_PFAS		0.03	*1.21*	0.52	1.73	1.98	0.04	0.05	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	QC418_SW_200717	Field_D	NSW_0908_PFAS		0.03	*1.21*	0.54	1.75	1.98	0.03	0.05	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	QC518_SW_200717	Interlab_D	NSW_0908_PFAS		0.034	*1.4*	0.5	1.9	-	0.039	-	-	<0.02	<0.05	0.022	0.094	0.015	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW005	12 Apr 2018	MD5_SW_12042018	Normal	NSW_0908_PFAS		<0.01	*0.08*	<0.02	0.1	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	12 Apr 2018	MD5_SW_12042018	Normal	NSW_0908_PFAS		-	-	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW005	06 Dec 2018	0908_MD5_SW_181206	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	NSW_0908_PFAS		<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	NSW_0908_PFAS		-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW005	06 Nov 2019	0908_MD5_SW_191106	Normal	NSW_0908_PFASOMP		<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	04 Jun 2020	0908_SW005_200604	Normal	NSW_0908_PFASOMP		0.02	*0.84*	0.43	1.27	1.53	0.04	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Nov 2020	0908_SW005_201120	Normal	NSW_0908_PFASOMP		0.07	*3.41*	0.81	**4.22**	4.71	0.06	0.06	0.07	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 Dec 2020	0908_SW005_201218	Normal	NSW_0908_PFASOMP		<0.01	*0.29*	0.07	0.36	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220520	Normal	NSW_0908_PFASOMP		0.03	*1.35*	0.40	1.75	1.99	0.06	0.04	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220620	Normal	NSW_0908_PFASOMP		0.02	*1.25*	0.37	1.62	1.81	0.04	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220720	Normal	NSW_0908_PFASOMP		0.02	*0.97*	0.25	1.22	1.31	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220820	Normal	NSW_0908_PFASOMP		0.02	*0.88*	0.24	1.12	1.26	<0.02	<0.02	0.02	<0.02	<0.1	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220920	Normal	NSW_0908_PFASOMP		0.02	*0.84*	0.23	1.07	1.15	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221020	Normal	NSW_0908_PFASOMP		0.02	*0.93*	0.24	1.17	1.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221120	Normal	NSW_0908_PFASOMP		0.02	*0.85*	0.22	1.07	1.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221220	Normal	NSW_0908_PFASOMP		0.02	*0.90*	0.23	1.13	1.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221320	Normal	NSW_0908_PFASOMP		0.02	*0.94*	0.21	1.15	1.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221420	Normal	NSW_0908_PFASOMP		0.02	*0.89*	0.21	1.10	1.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221520	Normal	NSW_0908_PFASOMP		0.02	*0.93*	0.21	1.14	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221620	Normal	NSW_0908_PFASOMP		0.02	*0.99*	0.22	1.21	1.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221720	Normal	NSW_0908_PFASOMP		0.02	*1.07*	0.22	1.29	1.37	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221820	Normal	NSW_0908_PFASOMP		0.02	*1.06*	0.22	1.28	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221920	Normal	NSW_0908_PFASOMP		0.03	*1.23*	0.31	1.54	1.70	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222020	Normal	NSW_0908_PFASOMP		0.02	*0.97*	0.23	1.20	1.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222120	Normal	NSW_0908_PFASOMP		0.02	*0.84*	0.23	1.07	1.15	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222220	Normal	NSW_0908_PFASOMP		0.02	*0.90*	0.25	1.15	1.23	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222320	Normal	NSW_0908_PFASOMP		0.02	*0.91*	0.24	1.15	1.23	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230020	Normal	NSW_0908_PFASOMP		0.02	*0.96*	0.25	1.21	1.29	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230120	Normal	NSW_0908_PFASOMP		0.02	*0.96*	0.26	1.22	1.32	0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230220	Normal	NSW_0908_PFASOMP		0.02	*1.33*	0.35	1.68	1.84	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230320	Normal	NSW_0908_PFASOMP		0.03	*1.42*	0.37	1.79	1.97	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230420	Normal	NSW_0908_PFASOMP		0.02	*1.12*	0.32	1.44	1.59	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids												PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW005	29 Jan 2021	0908_QC101_210129	Field_D	NSW_0908_PFASOMP		0.02	*1.12*	0.24	1.36	1.44	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_QC201_210129	Interlab_D	NSW_0908_PFASOMP		0.013	*0.93*	0.19	-	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW005	29 Jan 2021	0908_SW005_210129	Normal	NSW_0908_PFASOMP		0.02	*1.07*	0.28	1.35	1.55	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291240	Normal	NSW_0908_PFASOMP		0.02	*1.06*	0.23	1.29	1.38	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291340	Normal	NSW_0908_PFASOMP		0.02	*1.05*	0.23	1.28	1.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291440	Normal	NSW_0908_PFASOMP		0.02	*0.97*	0.21	1.18	1.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291540	Normal	NSW_0908_PFASOMP		0.02	*1.08*	0.24	1.32	1.41	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291640	Normal	NSW_0908_PFASOMP		0.02	*1.04*	0.21	1.25	1.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291740	Normal	NSW_0908_PFASOMP		0.02	*1.06*	0.23	1.29	1.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291840	Normal	NSW_0908_PFASOMP		0.02	*0.92*	0.20	1.12	1.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291940	Normal	NSW_0908_PFASOMP		0.02	*0.99*	0.22	1.21	1.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2102292040	Normal	NSW_0908_PFASOMP		0.02	*0.95*	0.21	1.16	1.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2102292140	Normal	NSW_0908_PFASOMP		0.02	*0.94*	0.20	1.14	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2102292240	Normal	NSW_0908_PFASOMP		0.02	*0.87*	0.20	1.07	1.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2102292340	Normal	NSW_0908_PFASOMP		0.02	*0.96*	0.21	1.17	1.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300040	Normal	NSW_0908_PFASOMP		0.02	*0.95*	0.21	1.16	1.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300140	Normal	NSW_0908_PFASOMP		0.01	*0.95*	0.21	1.16	1.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300240	Normal	NSW_0908_PFASOMP		0.02	*1.05*	0.22	1.27	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300340	Normal	NSW_0908_PFASOMP		0.02	*1.22*	0.30	1.52	1.71	0.05	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300440	Normal	NSW_0908_PFASOMP		0.02	*1.27*	0.28	1.55	1.65	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300540	Normal	NSW_0908_PFASOMP		0.02	*1.19*	0.26	1.45	1.57	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300640	Normal	NSW_0908_PFASOMP		0.02	*1.14*	0.25	1.39	1.48	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300740	Normal	NSW_0908_PFASOMP		0.02	*1.03*	0.22	1.25	1.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300840	Normal	NSW_0908_PFASOMP		0.02	*1.07*	0.23	1.30	1.39	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300940	Normal	NSW_0908_PFASOMP		0.02	*1.08*	0.22	1.30	1.37	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101301040	Normal	NSW_0908_PFASOMP		0.02	*1.03*	0.22	1.25	1.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101301140	Normal	NSW_0908_PFASOMP		0.02	*1.05*	0.22	1.27	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	19 Feb 2021	0908_QC100_210219	Field_D	NSW_0908_PFASOMP		0.03	*1.56*	0.37	1.93	2.15	0.02	0.03	0.04	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	19 Feb 2021	0908_QC200_210219	Interlab_D	NSW_0908_PFASOMP		0.024	*1.1*	0.26	-	-	0.017	0.017	0.02	<0.01	<0.05	<0.02	0.042	0.012	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW005	19 Feb 2021	0908_SW005_210219	Normal	NSW_0908_PFASOMP		0.02	*1.36*	0.34	1.70	1.86	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	26 Mar 2021	0908_SW005_210326	Normal	NSW_0908_PFASOMP		0.01	*0.38*	0.14	0.52	0.56	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Apr 2021	0908_SW005_210423	Normal	NSW_0908_PFASOMP		0.04	*1.35*	0.53	1.88	2.15	0.04	0.04	0.04	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	11 May 2021	0908_SW005_210511	Normal	NSW_0908_PFASOMP		0.02	*0.58*	0.23	0.81	0.89	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	25 Jun 2021	0908_SW005_210625	Normal	NSW_0908_PFASOMP		<0.01	*0.41*	0.14	0.55	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jul 2021	0908_SW005_210730	Normal	NSW_0908_PFASOMP		0.03	*1.32*	0.43	1.75	1.96	0.03	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Aug 2021	0908_SW005_210820	Normal	NSW_0908_PFASOMP		0.02	*0.81*	0.30	1.11	1.25	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	27 Sep 2021	0908_SW005_210927	Normal	NSW_0908_PFASOMP		0.02	*0.87*	0.23	1.10	1.19	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	25 Oct 2021	0908_SW005_211025	Normal	NSW_0908_PFASOMP		<0.01	*0.15*	0.06	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	17 Nov 2021	0908_SW005_211117	Normal	NSW_0908_PFASOMP		0.02	*0.71*	0.29	1.00	1.11	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 May 2022	0908_SW005_220518	Normal	NSW_0908_PFASOMP		0.02	*1.68*	0.25	1.93	2.03	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	08 Nov 2022	0908_QC108_221108	Field_D	NSW_0908_PFASOMP		<0.01	*0.24*	0.12	0.36	0.38	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	08 Nov 2022	0908_QC208_221108	Interlab_D	NSW_0908_PFASOMP		<0.01	*0.17*	0.09	0.27	0.29	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	08 Nov 2022	0908_SW005_221108	Normal	NSW_0908_PFASOMP		<0.01	*0.24*	0.09	0.33	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	09 May 2023	0908_QC111_230509	Field_D	NSW_0908_PFASOMP_23		<0.01	*0.22*	0.09	0.31	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	09 May 2023	0908_QC211_230509	Interlab_D	NSW_0908_PFASOMP_23		<0.01	*0.25*	0.11	0.36	0.39	<0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	09 May 2023	0908_SW005_230509	Normal	NSW_0908_PFASOMP_23		<0.01	*0.37*	0.09	0.46	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	21 Nov 2023	0908_SW005_231121	Normal	NSW_0908_PFASOMP_23		<0.01	*0.04*	<0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	16 Apr 2024	0908_QC103_240416	Field_D	NSW_0908_PFASOMP_24		0.01	*0.80*	0.16	0.96	1.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SW005	16 Apr 2024	0908_QC203_240416	Interlab_D	NSW_0908_PFASOMP_24		0.02	*0.86*	0.21	1.1	1.2	0.01	0.01	0.02	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	16 Apr 2024	0908_SW005_240416	Normal	NSW_0908_PFASOMP_24		0.01	*0.66*	0.16	0.82	0.87	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Jun 2014	MD6_WATER	Normal	NSW_0908_PFAS		<0.01	*0.04*	0.09	0.13	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW006	13 Jan 2016	MD6_SW_1312016	Normal	NSW_0908_PFAS		0.007	*0.352*	-	0.352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW006	15 Jan 2016	MD6_SW_15012016	Normal	NSW_0908_PFAS		0.008	*0.112*	-	0.112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW006	16 Mar 2017	MD6_SW_20170316	Normal	NSW_0908_PFAS		<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	17 Mar 2017	QC412_SW_2017317	Field_D	NSW_0908_PFAS		<0.05	*0.36*	0.24	0.6	0.6	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW006	23 Mar 2017	MD6_SW_230317	Normal	NSW_0908_PFAS		<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Mar 2017	QC413_SW_23032017	Field_D	NSW_0908_PFAS		<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Mar 2017	QC512_SW_230317	Interlab_D	NSW_0908_PFAS		<0.02	*0.02*	<0.02	0.02	-	<0.01	-	-	<0.02	<0.05	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW006	31 Mar 2017	MD6_SW_310317	Normal	NSW_0908_PFAS		<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	05 Apr 2017	MD6_SW_050417	Normal	NSW_0908_PFAS		0.01	*0.07*	0.09	0.16	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	04 May 2017	MD6_SW_040517	Normal	NSW_0908_PFAS		<0.01	*0.09*	0.08	0.17	-	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	01 Jun 2017	MD6_SW_010617	Normal	NSW_0908_PFAS		<0.01	*0.13*	0.22	0.35	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	20 Jul 2017	MD6_SW_200717	Normal	NSW_0908_PFAS		<0.01	*0.11*	0.06	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	12 Apr 2018	MD6_SW_12042018	Normal	NSW_0908_PFAS		0.02	*0.26*	0.16	0.42	0.49	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	06 Dec 2018	0908_MD6_SW_181206	Normal	NSW_0908_PFAS		0.02	*0.83*	0.26	1.09	1.24	<0.02	0.02	<0.02	<0.02	<0.1	0.03	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	14 Jun 2019	0908_MD6_SW_190614	Normal	NSW_0908_PFAS		<0.01	*0.44*	0.13	0.57	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	05 Nov 2019	0908_MD6_SW_191105	Normal	NSW_0908_PFASOMP		0.01	*0.11*	0.32	0.43	0.58	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	02 Jun 2020	0908_SW006_200602	Normal	NSW_0908_PFASOMP		0.02	*2.70*	0.45	**3.15**	3.35	<0.02	0.02	<0.02	<0.02	<0.1	0.06	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	20 Nov 2020	0908_SW006_201120	Normal	NSW_0908_PFASOMP		0.10	*8.81*	1.17	**9.98**	10.8	0.05	0.06	0.09	0.03	<0.1	0.12	0.30	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	11 May 2021	0908_SW006_210511	Normal	NSW_0908_PFASOMP		0.16	*14.3*	1.62	**15.9**	17.0	0.06	0.10	0.14	<0.02	<0.1	0.15	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	17 Nov 2021	0908_SW006_211117	Normal	NSW_0908_PFASOMP		0.14	*12.0*	1.49	**13.5**	14.5	0.06	0.07	0.10	<0.02	<0.1	0.13	0.44	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	18 May 2022	0908_SW006_220518	Normal	NSW_0908_PFASOMP		0.12	*18.8*	1.05	**19.8**	20.8	0.04	0.06	0.14	0.05	<0.1	0.11	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	13 Jul 2022	0908_SW006_220713	Normal	NSW_0908_PFASMGMT		0.05	*4.04*	0.47	**4.51**	4.93	0.03	0.04	0.03	<0.02	<0.1	0.04	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	08 Nov 2022	0908_SW006_221108	Normal	NSW_0908_PFASOMP		0.07	*9.92*	0.64	**10.6**	11.1	0.03	0.05	0.07	<0.02	<0.1	0.07	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	08 May 2023	0908_SW006_230508	Normal	NSW_0908_PFASOMP_23		0.07	*6.13*	0.64	**6.77**	7.34	0.04	0.04	0.07	<0.02	<0.1	0.07	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	24 Apr 2024	0908_SW006_240424	Normal	NSW_0908_PFASOMP_24		<0.01	*0.81*	0.32	1.13	1.26	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	13 Jan 2016	MD7_SW_1312016	Normal	NSW_0908_PFAS		0.029	*0.852*	-	0.852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW007	15 Jan 2016	MD7_SW_15012016	Normal	NSW_0908_PFAS		0.017	*0.299*	-	0.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW007	14 Dec 2016	MD7_SW_20161214	Normal	NSW_0908_PFAS		0.01	*0.98*	0.36	1.34	1.51	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	02 Feb 2017	MD7_SW_020217	Normal	NSW_0908_PFAS		<0.01	*1.26*	0.22	1.48	1.5	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	09 Feb 2017	MD7_SW_090217	Normal	NSW_0908_PFAS		<0.01	*0.23*	0.06	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Feb 2017	MD7_SW_16022017	Normal	NSW_0908_PFAS		<0.05	*1.14*	0.26	1.4	1.4	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW007	02 Mar 2017	MD7_SW_020317	Normal	NSW_0908_PFAS		<0.01	*0.57*	0.38	0.95	0.97	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	09 Mar 2017	MD7_SW_090317	Normal	NSW_0908_PFAS		0.01	*0.81*	0.27	1.08	1.13	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Mar 2017	MD7_SW_20170316	Normal	NSW_0908_PFAS		<0.01	*1.12*	0.44	1.56	1.68	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	23 Mar 2017	MD7_SW_230317	Normal	NSW_0908_PFAS		0.07	*8.11*	0.73	**8.84**	9.37	0.03	0.04	0.08	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	31 Mar 2017	MD7_SW_310317	Normal	NSW_0908_PFAS		0.01	*0.79*	0.24	1.03	1.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Apr 2017	MD7_SW_050417	Normal	NSW_0908_PFAS		0.18	*11.8*	2.91	**14.7**	16.2	0.12	0.17	0.19	<0.02	<0.1	0.12	0.67	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Apr 2017	MD7_SW_050417	Normal	NSW_0908_PFAS		-	-	-	**14.71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW007	04 May 2017	MD7_SW_040517	Normal	NSW_0908_PFAS		0.34	*20.2*	4.5	**24.7**	-	0.13	0.27	0.44	<0.02	<0.1	<0.02	1.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	01 Jun 2017	MD7_SW_010617	Normal	NSW_0908_PFAS		0.25	*3.06*	3.06	**6.12**	8.18	0.18	0.22	0.14	<0.02	<0.1	0.15	1	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Jul 2017	MD7_SW_200717	Normal	NSW_0908_PFAS		0.21	*31.4*	4.79	**36.19**	37.5	0.09	0.15	0.28	<0.02	<0.1	0.1	0.42	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Jul 2017	MD7_SW_200717	Normal	NSW_0908_PFAS		-	-	-	**36.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW007	12 Apr 2018	MD7_SW_12042018	Normal	NSW_0908_PFAS		0.09	*2.64*	1.01	**3.65**	4.35	0.04	0.06	0.07	<0.02	<0.1	0.07	0.33	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Apr 2018	QC100_SW_12042018	Field_D	NSW_0908_PFAS		0.09	*2.8*	1.03	**3.83**	4.57	0.04	0.07	0.07	<0.02	<0.1	0.08	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Apr 2018	QC200_SW_12042018	Interlab_D	NSW_0908_PFAS		0.067	*2.6*	0.96	**3.56**	-	0.044	0.064	0.048	<0.01	0.052	0.065	0.27	0.037	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				10			2																										
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SW007	06 Dec 2018	0908_MD7_SW_181206	Normal	NSW_0908_PFAS	0.11	*7.34*	1.35	**8.69**	9.46	0.06	0.09	0.1	<0.02	<0.1	0.08	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	14 Jun 2019	0908_MD7_SW_190614	Normal	NSW_0908_PFAS	<0.01	*2.67*	0.32	**2.99**	3.1	0.02	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Nov 2019	0908_MD7_SW_191105	Normal	NSW_0908_PFASOMP	0.06	*4.92*	0.42	**5.34**	5.94	<0.02	0.03	0.04	<0.02	<0.1	0.12	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	02 Jun 2020	0908_SW007_200602	Normal	NSW_0908_PFASOMP	0.44	*23.3*	3.67	**27.0**	30.4	0.13	0.21	0.30	<0.02	0.2	0.46	1.22	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.21	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Nov 2020	0908_SW007_201120	Normal	NSW_0908_PFASOMP	0.26	*19.9*	2.13	**22.0**	23.6	0.08	0.11	0.21	<0.02	<0.1	0.25	0.54	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	18 Dec 2020	0908_SW007_201218	Normal	NSW_0908_PFASOMP	0.06	*5.06*	0.44	**5.50**	5.81	<0.02	0.02	0.04	<0.02	<0.1	0.05	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211650	Normal	NSW_0908_PFASOMP	0.04	*4.62*	0.25	**4.87**	5.12	0.03	<0.02	0.03	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211750	Normal	NSW_0908_PFASOMP	0.04	*4.10*	0.25	**4.35**	4.60	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211850	Normal	NSW_0908_PFASOMP	0.04	*3.73*	0.27	**4.00**	4.23	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211950	Normal	NSW_0908_PFASOMP	0.02	*1.96*	0.12	**2.08**	2.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212050	Normal	NSW_0908_PFASOMP	0.01	*1.43*	0.10	1.53	1.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212150	Normal	NSW_0908_PFASOMP	0.01	*1.43*	0.10	1.53	1.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212250	Normal	NSW_0908_PFASOMP	0.02	*1.70*	0.14	1.84	2.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212350	Normal	NSW_0908_PFASOMP	0.02	*2.09*	0.20	**2.29**	2.57	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220050	Normal	NSW_0908_PFASOMP	0.03	*2.62*	0.23	**2.85**	3.16	<0.02	<0.02	0.02	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220150	Normal	NSW_0908_PFASOMP	0.02	*2.24*	0.21	**2.45**	2.69	<0.02	<0.02	0.02	<0.02	<0.1	0.03	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220250	Normal	NSW_0908_PFASOMP	0.02	*1.90*	0.16	**2.06**	2.23	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220350	Normal	NSW_0908_PFASOMP	0.02	*1.65*	0.12	1.77	1.83	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220450	Normal	NSW_0908_PFASOMP	0.01	*1.28*	0.10	1.38	1.42	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220550	Normal	NSW_0908_PFASOMP	0.01	*1.22*	0.10	1.32	1.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220650	Normal	NSW_0908_PFASOMP	0.01	*1.43*	0.13	1.56	1.61	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220750	Normal	NSW_0908_PFASOMP	0.02	*1.74*	0.16	1.90	2.05	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220850	Normal	NSW_0908_PFASOMP	0.02	*2.37*	0.23	**2.60**	2.78	<0.02	<0.02	0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220950	Normal	NSW_0908_PFASOMP	0.03	*2.74*	0.26	**3.00**	3.24	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221050	Normal	NSW_0908_PFASOMP	0.04	*2.94*	0.32	**3.26**	3.54	<0.02	<0.02	0.03	<0.02	<0.1	0.04	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221150	Normal	NSW_0908_PFASOMP	0.04	*3.37*	0.36	**3.73**	4.08	<0.02	0.02	0.04	<0.02	<0.1	0.04	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221250	Normal	NSW_0908_PFASOMP	0.05	*3.66*	0.42	**4.08**	4.47	<0.02	0.03	0.04	<0.02	<0.1	0.05	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221350	Normal	NSW_0908_PFASOMP	0.06	*4.76*	0.53	**5.29**	5.77	0.02	0.03	0.05	<0.02	<0.1	0.06	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_QC103_210129	Field_D	NSW_0908_PFASOMP	0.11	*9.64*	1.16	**10.8**	11.5	0.04	0.07	0.10	<0.02	<0.1	0.08	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_QC203_210129	Interlab_D	NSW_0908_PFASOMP	0.094	*7.2*	0.94	-	-	0.033	0.051	0.061	<0.01	0.057	0.09	0.21	0.044	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW007	29 Jan 2021	0908_SW007_210129	Normal	NSW_0908_PFASOMP	0.10	*7.30*	0.86	**8.16**	8.73	0.03	0.05	0.07	<0.02	<0.1	0.09	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291400	Normal	NSW_0908_PFASOMP	0.13	*9.76*	1.35	**11.1**	12.0	0.05	0.08	0.14	<0.02	<0.1	0.10	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291500	Normal	NSW_0908_PFASOMP	0.12	*9.88*	1.22	**11.1**	11.9	<0.02	0.07	0.12	<0.02	<0.1	0.15	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291600	Normal	NSW_0908_PFASOMP	0.12	*10.2*	1.08	**11.3**	12.0	0.02	0.06	0.12	<0.02	<0.1	0.06	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291700	Normal	NSW_0908_PFASOMP	0.10	*8.36*	0.89	**9.25**	9.79	<0.02	0.05	0.10	<0.02	<0.1	0.05	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291800	Normal	NSW_0908_PFASOMP	0.08	*6.90*	0.67	**7.57**	8.10	<0.02	0.03	0.08	<0.02	<0.1	0.04	0.27	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291900	Normal	NSW_0908_PFASOMP	0.06	*6.07*	0.54	**6.61**	6.95	<0.02	0.03	0.05	<0.02	<0.1	0.05	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292000	Normal	NSW_0908_PFASOMP	0.07	*5.58*	0.59	**6.17**	6.56	<0.02	0.03	0.06	<0.02	<0.1	0.06	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292100	Normal	NSW_0908_PFASOMP	0.06	*5.83*	0.60	**6.43**	6.80	0.02	0.03	0.06	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292200	Normal	NSW_0908_PFASOMP	0.06	*5.52*	0.53	**6.05**	6.40	<0.02	0.03	0.06	<0.02	<0.1	0.05	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292300	Normal	NSW_0908_PFASOMP	0.04	*4.13*	0.44	**4.57**	4.81	<0.02	0.02	0.04	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300000	Normal	NSW_0908_PFASOMP	0.06	*5.13*	0.61	**5.74**	6.17	<0.02	0.03	0.06	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300100	Normal	NSW_0908_PFASOMP	0.06	*6.23*	0.67	**6.90**	7.32	<0.02	0.04	0.06	<0.02	<0.1	0.08	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300200	Normal	NSW_0908_PFASOMP	0.07	*6.14*	0.72	**6.86**	7.40	<0.02	0.04	0.07	<0.02	<0.1	0.06	0.27	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300300	Normal	NSW_0908_PFASOMP	0.09	*7.16*	0.86	**8.02**	8.65	0.02	0.05	0.08	<0.02	<0.1	0.04	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300400	Normal	NSW_0908_PFASOMP	0.09	*6.78*	0.85	**7.63**	8.21	<0.02	0.04	0.08	<0.02	<0.1	0.04	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300500	Normal	NSW_0908_PFASOMP	0.09	*7.36*	0.95	**8.31**	9.04	0.02	0.06	0.09	<0.02	<0.1	0.08	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300600	Normal	NSW_0908_PFASOMP	0.09	*7.70*	0.88	**8.58**	9.23	0.03	0.05	0.09	<0.02	<0.1	0.04	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW007	30 Jan 2021	0908_SW007_2101300700	Normal	NSW_0908_PFASOMP		0.09	*7.49*	0.87	**8.36**	8.88	<0.02	0.05	0.08	<0.02	<0.1	0.07	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300800	Normal	NSW_0908_PFASOMP		0.10	*7.66*	0.95	**8.61**	9.20	0.03	0.05	0.09	<0.02	<0.1	0.07	0.21	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300900	Normal	NSW_0908_PFASOMP		0.10	*8.38*	1.00	**9.38**	10.0	0.03	0.06	0.09	<0.02	<0.1	0.07	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301000	Normal	NSW_0908_PFASOMP		0.12	*8.56*	1.11	**9.67**	10.4	0.04	0.06	0.10	<0.02	<0.1	0.08	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301100	Normal	NSW_0908_PFASOMP		0.10	*8.43*	1.02	**9.45**	10.1	0.04	0.06	0.09	<0.02	<0.1	0.08	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301200	Normal	NSW_0908_PFASOMP		0.11	*8.60*	1.13	**9.73**	10.4	0.04	0.07	0.10	<0.02	<0.1	0.09	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	19 Feb 2021	0908_SW007_210219	Normal	NSW_0908_PFASOMP		0.03	*3.07*	0.22	**3.29**	3.43	<0.02	<0.02	0.02	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	26 Mar 2021	0908_SW007_210326	Normal	NSW_0908_PFASOMP		0.12	*9.48*	1.30	**10.8**	11.7	0.05	0.08	0.08	<0.02	<0.1	0.12	0.33	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	23 Apr 2021	0908_SW007_210423	Normal	NSW_0908_PFASOMP		0.16	*10.3*	1.62	**11.9**	13.0	0.07	0.11	0.14	<0.02	<0.1	0.13	0.36	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	11 May 2021	0908_SW007_210511	Normal	NSW_0908_PFASOMP		0.15	*10.3*	1.50	**11.8**	12.8	0.07	0.09	0.14	<0.02	<0.1	0.13	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Jun 2021	0908_SW007_210625	Normal	NSW_0908_PFASOMP		0.15	*15.7*	1.55	**17.2**	18.2	0.05	0.10	0.15	<0.02	<0.1	0.12	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jul 2021	0908_SW007_210730	Normal	NSW_0908_PFASOMP		0.20	*18.2*	1.81	**20.0**	21.2	0.07	0.10	0.16	<0.02	<0.1	0.16	0.46	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Aug 2021	0908_SW007_210820	Normal	NSW_0908_PFASOMP		0.13	*11.9*	1.09	**13.0**	13.9	0.04	0.06	0.10	<0.02	<0.1	0.20	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	27 Sep 2021	0908_QC100_210927	Field_D	NSW_0908_PFASOMP		0.06	*6.71*	0.55	**7.26**	7.62	<0.02	0.03	0.05	<0.02	<0.1	0.04	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	27 Sep 2021	0908_QC200_210927	Interlab_D	NSW_0908_PFASOMP		0.057	*6.1*	0.55	-	-	0.019	0.029	0.04	<0.01	<0.05	0.048	0.13	0.025	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.021	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW007	27 Sep 2021	0908_SW007_210927	Normal	NSW_0908_PFASOMP		0.06	*6.82*	0.58	**7.40**	7.75	0.02	0.03	0.04	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Oct 2021	0908_QC100_211025	Field_D	NSW_0908_PFASOMP		0.07	*11.7*	0.59	**12.3**	12.7	0.02	0.04	0.06	<0.02	<0.1	0.06	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Oct 2021	0908_QC200_211025	Interlab_D	NSW_0908_PFASOMP		0.09	*15*	0.67	**16**	16	0.02	0.04	0.09	<0.02	0.07	0.07	0.18	0.04	0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW007	25 Oct 2021	0908_SW007_211025	Normal	NSW_0908_PFASOMP		0.07	*12.4*	0.63	**13.0**	13.5	0.02	0.04	0.06	<0.02	<0.1	0.07	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Nov 2021	0908_QC116_211116	Field_D	NSW_0908_PFASOMP		0.16	*10.5*	1.35	**11.8**	12.9	0.07	0.08	0.10	<0.02	<0.1	0.12	0.42	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Nov 2021	0908_SW007_211116	Normal	NSW_0908_PFASOMP		0.16	*12.8*	1.54	**14.3**	15.5	0.08	0.09	0.12	<0.02	<0.1	0.13	0.48	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	18 May 2022	0908_SW007_220518	Normal	NSW_0908_PFASOMP		0.11	*11.2*	1.00	**12.2**	13.0	0.04	0.06	0.11	<0.02	<0.1	0.09	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	13 Jul 2022	0908_SW007_220713	Normal	NSW_0908_PFASMGMT		0.07	*6.32*	0.65	**6.97**	7.55	0.04	0.05	0.04	<0.02	<0.1	0.06	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Aug 2022	0908_QC101_220812	Field_D	NSW_0908_PFASMGMT		0.07	*7.24*	0.85	**8.09**	8.60	0.04	0.06	0.06	<0.02	<0.1	0.06	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Aug 2022	0908_SW007_220812	Normal	NSW_0908_PFASMGMT		0.06	*7.43*	0.80	**8.23**	8.74	0.05	0.06	0.05	<0.02	<0.1	0.06	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	08 Nov 2022	0908_SW007_221108	Normal	NSW_0908_PFASOMP		0.11	*13.9*	0.95	**14.8**	15.6	0.04	0.07	0.11	<0.02	<0.1	0.08	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	08 May 2023	0908_SW007_230508	Normal	NSW_0908_PFASOMP_23		0.07	*7.27*	0.66	**7.93**	8.52	0.03	0.04	0.07	<0.02	<0.1	0.07	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Nov 2023	0908_SW007_231121	Normal	NSW_0908_PFASOMP_23		<0.01	*0.47*	0.06	0.53	0.58	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	24 Apr 2024	0908_SW007_240424	Normal	NSW_0908_PFASOMP_24		0.16	*13.0*	1.57	**14.6**	16.0	0.05	0.11	0.21	<0.02	<0.1	0.16	0.58	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Jan 2016	MD8_SW_28012016	Normal	NSW_0908_PFAS		0.06	*2.2*	-	**2.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
SW009	14 Dec 2016	MD8_SW_20161214	Normal	NSW_0908_PFAS		0.11	*3.84*	2.1	**5.94**	6.82	0.13	0.14	0.2	<0.02	<0.1	0.04	0.2	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Mar 2017	MD8_SW_230317	Normal	NSW_0908_PFAS		0.02	*0.91*	0.18	1.09	1.17	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	01 May 2018	MD8_SW_01052018	Normal	NSW_0908_PFAS		0.05	*1.26*	0.56	1.82	2.2	0.05	0.06	0.04	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	07 Dec 2018	0908_MD8_SW_181207	Normal	NSW_0908_PFAS		0.07	*2.2*	1.01	**3.21**	3.84	0.1	0.1	0.1	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	13 Jun 2019	0908_MD8_SW_190613	Normal	NSW_0908_PFAS		0.03	*0.69*	0.66	1.35	1.68	0.07	0.09	<0.02	<0.02	<0.1	<0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	06 Nov 2019	0908_MD8_SW_191106	Normal	NSW_0908_PFASOMP		0.05	*2.68*	0.62	**3.30**	4.00	0.05	0.07	0.04	<0.02	<0.1	0.08	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	24 Jun 2020	0908_SW009_200624	Normal	NSW_0908_PFASOMP		0.08	*2.22*	1.20	**3.42**	4.19	0.12	0.12	0.12	<0.02	<0.1	0.06	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	04 Dec 2020	0908_SW009_201204	Normal	NSW_0908_PFASOMP		0.07	*4.09*	0.93	**5.02**	5.60	0.06	0.09	0.09	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	11 May 2021	0908_SW009_210511	Normal	NSW_0908_PFASOMP		0.08	*4.72*	1.05	**5.77**	6.43	0.08	0.08	0.07	<0.02	<0.1	0.08	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	17 Nov 2021	0908_SW009_211117	Normal	NSW_0908_PFASOMP		0.06	*2.23*	0.79	**3.02**	3.50	0.06	0.06	0.08	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	17 May 2022	0908_SW009_220517	Normal	NSW_0908_PFASOMP		0.08	*7.95*	0.82	**8.77**	9.36	0.04	0.06	0.08	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 Nov 2022	0908_SW009_221108	Normal	NSW_0908_PFASOMP		0.05	*2.45*	0.58	**3.03**	3.42	0.04	0.06	0.05	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 May 2023	0908_QC102_230508	Field_D	NSW_0908_PFASOMP_23		0.07	*4.38*	0.93	**5.31**	5.92	0.06	0.08	0.08	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 May 2023	0908_QC202_230508	Interlab_D	NSW_0908_PFASOMP_23		0.06	*3.9*	1.1	**4.9**	5.5	0.05	0.08	0.07	<0.02	<0.02	0.06	0.23	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	08 May 2023	0908_SW009_230508	Normal	NSW_0908_PFASOMP_23		0.08	*4.36*	0.83	**5.19**	5.84	0.06	0.09	0.08	<0.02	<0.1	0.06	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Nov 2023	0908_QC111_231128	Field_D	NSW_0908_PFASOMP_23		0.05	*0.96*	0.62	1.58	1.87	0.03	0.03	0.06	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Nov 2023	0908_QC211_231128	Interlab_D	NSW_0908_PFASOMP_23		0.05	*0.90*	0.68	1.6	1.9	0.03	0.05	0.08	<0.02	<0.02	0.03	0.1	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	28 Nov 2023	0908_SW009_231128	Normal	NSW_0908_PFASOMP_23		0.05	*0.96*	0.58	1.54	1.83	0.03	0.03	0.06	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW009	22 Apr 2024	0908_QC112_240422	Field_D	NSW_0908_PFASOMP_24		0.03	*1.42*	0.36	1.78	1.96	<0.02	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	22 Apr 2024	0908_QC212_240422	Interlab_D	NSW_0908_PFASOMP_24		0.04	*1.5*	0.44	1.9	2.2	0.02	0.03	0.04	<0.02	<0.02	0.03	0.10	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	22 Apr 2024	0908_SW009_240422	Normal	NSW_0908_PFASOMP_24		0.03	*1.53*	0.39	1.92	2.12	<0.02	0.03	0.04	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	12 Feb 2016	MD10_SW_12022016	Normal	NSW_0908_PFAS		0.06	*1.38*	1.4	**2.78**	4.28	0.11	0.12	0.1	<0.02	<0.1	0.05	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	12 Feb 2016	QC103_SW_12022016	Field_D	NSW_0908_PFAS		0.05	*1.34*	1.38	**2.72**	4.33	0.11	0.12	0.1	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	23 Mar 2017	MD10_SW_230317	Normal	NSW_0908_PFAS		0.04	*1.17*	0.54	1.71	1.98	0.04	0.04	0.05	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	07 Dec 2018	0908_MD10_SW_181207	Normal	NSW_0908_PFAS		0.03	*0.82*	0.43	1.25	1.53	0.04	0.05	0.04	<0.02	<0.1	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	13 Jun 2019	0908_MD10_SW_190613	Normal	NSW_0908_PFAS		<0.01	*0.26*	0.28	0.54	0.59	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	06 Oct 2019	0908_MD10_SW_191106	Normal	NSW_0908_PFASOMP		0.04	*1.11*	0.66	1.77	2.36	0.07	0.08	0.04	<0.02	<0.1	0.10	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	19 Jun 2020	0908_SW011_200619	Normal	NSW_0908_PFASOMP		0.08	*3.31*	1.01	**4.32**	5.13	0.09	0.11	0.10	<0.02	0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	04 Dec 2020	0908_QC108_201204	Field_D	NSW_0908_PFASOMP		0.05	*2.14*	0.73	**2.87**	3.28	0.06	0.07	0.07	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	04 Dec 2020	0908_QC208_201204	Interlab_D	NSW_0908_PFASOMP		0.044	*2.4*	0.78	-	-	0.053	0.06	0.047	<0.01	<0.05	0.037	0.13	0.022	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW011	04 Dec 2020	0908_SW011_201204	Normal	NSW_0908_PFASOMP		0.05	*2.19*	0.70	**2.89**	3.28	0.05	0.07	0.06	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	26 May 2021	0908_SW011_210526	Normal	NSW_0908_PFASOMP		0.03	*1.41*	0.45	1.86	2.08	0.03	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	11 May 2023	0908_SW011_230511	Normal	NSW_0908_PFASOMP_23		0.05	*2.96*	0.58	**3.54**	3.86	0.03	0.04	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	27 Nov 2023	0908_SW011_231127	Normal	NSW_0908_PFASOMP_23		0.02	*0.48*	0.20	0.68	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	23 Apr 2024	0908_SW011_240423	Normal	NSW_0908_PFASOMP_24		0.01	*0.80*	0.60	1.40	1.52	0.02	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	20 Dec 2016	MD14_SW_161220	Normal	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	18 Apr 2018	MD14_SW_18042018	Normal	NSW_0908_PFAS		<0.01	*0.14*	<0.02	0.16	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	18 Apr 2018	MD14_SW_18042018	Normal	NSW_0908_PFAS		-	-	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW014	06 Dec 2018	0908_MD14_SW_181206	Normal	NSW_0908_PFAS		0.02	*0.45*	0.21	0.66	0.76	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_MD14_SW_190613	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_QC220_190613	Interlab_D	NSW_0908_PFAS		<0.01	<0.02	0.011	0.031	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW014	05 Nov 2019	0908_MD14_SW_191105	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	04 Jun 2020	0908_SW014_200604	Normal	NSW_0908_PFASOMP		0.03	*1.32*	0.62	1.94	2.32	0.06	0.07	0.05	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	26 Nov 2020	0908_QC110_201126	Field_D	NSW_0908_PFASOMP		0.06	*2.93*	0.79	**3.72**	4.19	0.06	0.07	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	26 Nov 2020	0908_QC210_201126	Interlab_D	NSW_0908_PFASOMP		0.053	*2.5*	0.74	-	-	0.054	0.059	0.049	<0.01	<0.05	0.042	0.14	0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW014	26 Nov 2020	0908_SW014_201126	Normal	NSW_0908_PFASOMP		0.06	*3.24*	0.77	**4.01**	4.50	0.06	0.07	0.06	<0.02	<0.1	0.05	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	11 May 2021	0908_SW014_210511	Normal	NSW_0908_PFASOMP		0.01	*0.61*	0.20	0.81	0.86	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	17 Nov 2021	0908_SW014_211117	Normal	NSW_0908_PFASOMP		0.02	*0.91*	0.34	1.25	1.46	0.06	0.02	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	16 May 2022	0908_QC201_220516	Interlab_D	NSW_0908_PFASOMP		0.02	*0.96*	0.22	1.2	1.3	0.03	0.02	0.02	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW014	16 May 2022	0908_SW014_220516	Normal	NSW_0908_PFASOMP		0.02	*1.00*	0.22	1.22	1.33	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	07 Nov 2022	0908_SW014_221107	Normal	NSW_0908_PFASOMP		0.02	*1.14*	0.26	1.40	1.55	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	09 May 2023	0908_QC107_230509	Field_D	NSW_0908_PFASOMP_23		0.03	*1.36*	0.42	1.78	2.01	0.02	0.03	0.04	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	09 May 2023	0908_SW014_230509	Normal	NSW_0908_PFASOMP_23		0.03	*1.47*	0.39	1.86	2.11	0.03	0.03	0.04	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	21 Nov 2023	0908_SW014_231121	Normal	NSW_0908_PFASOMP_23		<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	16 Apr 2024	0908_SW014_240416	Normal	NSW_0908_PFASOMP_24		0.02	*1.23*	0.32	1.55	1.75	<0.02	0.03	0.03	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	30 Jan 2017	TC12_SW_300117	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	09 Feb 2017	TC12_SW_090217	Normal	NSW_0908_PFAS		<0.01	*0.27*	0.17	0.44	0.46	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	16 Feb 2017	TC12_SW_16022017	Normal	NSW_0908_PFAS		<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	24 Feb 2017	TC12_SW_240217	Normal	NSW_0908_PFAS		<0.01	*0.17*	0.05	0.22	0.24	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	02 Mar 2017	TC12_SW_020317	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	09 Mar 2017	TC12_SW_090317	Normal	NSW_0908_PFAS		<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	16 Mar 2017	TC12_SW_20170316	Normal	NSW_0908_PFAS		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	23 Mar 2017	TC12_SW_230317	Normal	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	30 Mar 2017	TC12_SW_300317	Normal	NSW_0908_PFAS		<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	06 Apr 2017	TC12_SW_060417	Normal	NSW_0908_PFAS		0.02	*0.27*	0.42	0.69	0.81	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SW019	04 May 2017	TC12_SW_040517	Normal	NSW_0908_PFAS		<0.01	*0.07*	0.17	0.24	-	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	01 Jun 2017	TC12_SW_010617	Normal	NSW_0908_PFAS		<0.01	*0.03*	0.07	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	20 Jul 2017	TC12_SW_200717	Normal	NSW_0908_PFAS		<0.01	*0.09*	0.3	0.39	0.49	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Apr 2018	TC12_SW_12042018	Normal	NSW_0908_PFAS		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	06 Dec 2018	0908_TC12_SW_181206	Normal	NSW_0908_PFAS		<0.01	*0.04*	0.07	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	14 Jun 2019	0908_TC12_SW_190614	Normal	NSW_0908_PFAS		<0.01	*0.07*	0.03	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	07 Nov 2019	0908_TC12_SW_191107	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.09	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	26 May 2020	0908_SW019_200526	Normal	NSW_0908_PFASOMP		<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Nov 2020	0908_SW019_201112	Normal	NSW_0908_PFASOMP		<0.01	*0.29*	0.35	0.64	0.78	0.03	0.03	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	10 May 2021	0908_SW019_210510	Normal	NSW_0908_PFASOMP		0.03	*0.81*	0.62	1.43	1.73	0.04	0.05	0.04	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Nov 2021	0908_SW019_211112	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.03	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	27 May 2022	0908_SW019_220527	Normal	NSW_0908_PFASOMP		0.02	*0.33*	0.30	0.63	0.75	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	14 Nov 2022	0908_SW019_221114	Normal	NSW_0908_PFASOMP		0.02	*0.74*	0.33	1.07	1.22	0.03	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	17 May 2023	0908_SW019_230517	Normal	NSW_0908_PFASOMP_23		<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	28 Nov 2023	0908_SW019_231128	Normal	NSW_0908_PFASOMP_23		<0.01	*0.02*	0.06	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	22 Apr 2024	0908_SW019_240422	Normal	NSW_0908_PFASOMP_24		<0.01	*0.13*	0.15	0.28	0.30	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	06 Dec 2018	0908_TC6A_SW_181206	Normal	NSW_0908_PFAS		<0.01	*0.04*	0.05	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	05 Nov 2019	0908_TC6a_SW_191105	Normal	NSW_0908_PFASOMP		<0.05	<0.05	0.06	0.06	0.06	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW023	04 Jun 2020	0908_SW023_200604	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.19	0.27	0.36	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	20 Nov 2020	0908_SW023_201120	Normal	NSW_0908_PFASOMP		0.02	*0.50*	0.60	1.10	1.36	0.06	0.05	0.03	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	11 May 2021	0908_SW023_210511	Normal	NSW_0908_PFASOMP		0.02	*0.28*	0.42	0.70	0.93	0.05	0.04	0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 Nov 2021	0908_QC110_211117	Field_D	NSW_0908_PFASOMP		0.01	*0.17*	0.22	0.39	0.48	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 Nov 2021	0908_SW023_211117	Normal	NSW_0908_PFASOMP		0.01	*0.23*	0.24	0.47	0.59	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 May 2022	0908_SW023_220517	Normal	NSW_0908_PFASOMP		0.02	*0.32*	0.30	0.62	0.75	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	08 Nov 2022	0908_SW023_221108	Normal	NSW_0908_PFASOMP		0.02	*0.36*	0.23	0.59	0.69	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	09 May 2023	0908_SW023_230509	Normal	NSW_0908_PFASOMP_23		<0.01	*0.06*	0.10	0.16	0.18	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	20 Nov 2023	0908_SW023_231120	Normal	NSW_0908_PFASOMP_23		<0.01	*0.03*	0.06	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	16 Apr 2024	0908_SW023_240416	Normal	NSW_0908_PFASOMP_24		<0.01	*0.05*	0.08	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	21 Jan 2016	TC7_SW_21012016	Normal	NSW_0908_PFAS		<0.01	*0.39*	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
SW024	14 Dec 2016	TC7_SW_20161214	Normal	NSW_0908_PFAS		<0.05	*0.08*	0.1	0.18	0.25	<0.05	0.07	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW024	06 Dec 2018	0908_TC7_SW_181206	Normal	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	NSW_0908_PFAS		-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW024	05 Nov 2019	0908_TC7_SW_191105	Normal	NSW_0908_PFASOMP		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW024	04 Jun 2020	0908_SW024_200604	Normal	NSW_0908_PFASOMP		0.01	*0.10*	0.17	0.27	0.37	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Nov 2020	0908_SW024_201120	Normal	NSW_0908_PFASOMP		0.01	*0.32*	0.32	0.64	0.76	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	18 Dec 2020	0908_SW024_201218	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.05	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220740	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.05	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220840	Normal	NSW_0908_PFASOMP		<0.01	*0.11*	0.07	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220940	Normal	NSW_0908_PFASOMP		<0.01	*0.11*	0.09	0.20	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221040	Normal	NSW_0908_PFASOMP		<0.01	*0.10*	0.07	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221140	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.06	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221240	Normal	NSW_0908_PFASOMP		<0.01	*0.12*	0.09	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221340	Normal	NSW_0908_PFASOMP		<0.01	*0.12*	0.08	0.20	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221440	Normal	NSW_0908_PFASOMP		<0.01	*0.09*	0.06	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221540	Normal	NSW_0908_PFASOMP		<0.01	*0.09*	0.06	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221640	Normal	NSW_0908_PFASOMP		<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221740	Normal	NSW_0908_PFASOMP		<0.01	*0.09*	0.08	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW024	22 Dec 2020	0908_SW024_2012221840	Normal	NSW_0908_PFASOMP		<0.01	*0.10*	0.08	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221940	Normal	NSW_0908_PFASOMP		<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222040	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	0.03	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222140	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222240	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.05	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222340	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230040	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.04	0.10	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230140	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.04	0.10	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230240	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.04	0.10	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230340	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230440	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230540	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.04	0.10	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230640	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.05	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_QC100_210129	Field_D	NSW_0908_PFASOMP		<0.01	*0.08*	0.10	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_QC200_210129	Interlab_D	NSW_0908_PFASOMP		<0.01	*0.047*	0.079	-	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW024	29 Jan 2021	0908_SW024_210129	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291630	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.09	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291730	Normal	NSW_0908_PFASOMP		<0.01	*0.05*	0.09	0.14	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291830	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.10	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291930	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.10	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292030	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.10	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292130	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.10	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292230	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.10	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292330	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.10	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300030	Normal	NSW_0908_PFASOMP		<0.01	*0.06*	0.09	0.15	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300130	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.10	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300230	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.10	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300330	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300430	Normal	NSW_0908_PFASOMP		<0.01	*0.04*	0.04	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300530	Normal	NSW_0908_PFASOMP		<0.01	*0.11*	0.14	0.25	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300630	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.12	0.20	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300730	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300830	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300930	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301030	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301130	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301230	Normal	NSW_0908_PFASOMP		<0.01	*0.10*	0.15	0.25	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301330	Normal	NSW_0908_PFASOMP		<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301430	Normal	NSW_0908_PFASOMP		<0.01	*0.10*	0.14	0.24	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301530	Normal	NSW_0908_PFASOMP		<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	19 Feb 2021	0908_SW024_210219	Normal	NSW_0908_PFASOMP		<0.01	*0.16*	0.20	0.36	0.40	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	26 Mar 2021	0908_SW024_210326	Normal	NSW_0908_PFASOMP		<0.01	*0.21*	0.12	0.33	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Apr 2021	0908_SW024_210423	Normal	NSW_0908_PFASOMP		0.02	*0.28*	0.30	0.58	0.71	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	11 May 2021	0908_SW024_210511	Normal	NSW_0908_PFASOMP		0.02	*0.24*	0.31	0.55	0.70	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	25 Jun 2021	0908_SW024_210625	Normal	NSW_0908_PFASOMP		<0.01	*0.14*	0.18	0.32	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jul 2021	0908_SW024_210730	Normal	NSW_0908_PFASOMP		0.01	*0.20*	0.24	0.44	0.52	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Aug 2021	0908_SW024_210820	Normal	NSW_0908_PFASOMP		<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	27 Sep 2021	0908_SW024_210927	Normal	NSW_0908_PFASOMP		<0.01	*1.32*	0.15	1.47	1.50	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW024	25 Oct 2021	0908_SW024_211025	Normal	NSW_0908_PFASOMP		<0.01	*0.13*	0.08	0.21	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	17 Nov 2021	0908_QC210_211117	Interlab_D	NSW_0908_PFASOMP		<0.01	*0.07*	0.12	0.19	0.21	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW024	17 Nov 2021	0908_SW024_211117	Normal	NSW_0908_PFASOMP		<0.01	*0.10*	0.12	0.22	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	16 May 2022	0908_SW024_220516	Normal	NSW_0908_PFASOMP		0.01	*0.24*	0.23	0.47	0.55	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	08 Nov 2022	0908_SW024_221108	Normal	NSW_0908_PFASOMP		<0.01	*0.27*	0.12	0.39	0.42	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	09 May 2023	0908_SW024_230509	Normal	NSW_0908_PFASOMP_23		<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Nov 2023	0908_SW024_231120	Normal	NSW_0908_PFASOMP_23		<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	16 Apr 2024	0908_SW024_240416	Normal	NSW_0908_PFASOMP_24		<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	17 Nov 2014	BD03_SW01_171114	Normal	NSW_0908_PFAS		0.25	*17*	2.2	**19.2**	-	0.16	-	-	<0.01	-	<0.01	0.34	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW047	17 Nov 2014	QC101_SW_171114	Interlab_D	NSW_0908_PFAS		0.29	*16*	2.1	**18.1**	-	0.13	-	-	<0.01	-	<0.01	0.41	0.09	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW047	14 Jan 2016	BD03_SW_1412016	Normal	NSW_0908_PFAS		0.9	*31.6*	5.16	**36.76**	-	0.249	-	-	<0.005	-	-	1.74	0.125	0.01	0.007	<0.005	<0.005	<0.005	<0.05	-	0.02	<0.01	-	0.007	<0.05	-	<0.1	<0.005	-	<0.1
SW047	14 Sep 2016	BD03_140916	Normal	NSW_0908_PFAS		0.15	*17*	1.3	**18.3**	-	0.1	0.13	0.17	<0.01	<0.5	0.047	0.27	0.04	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.013	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
SW047	16 Dec 2016	BD03_SW_161216	Normal	NSW_0908_PFAS		0.03	*2.27*	0.26	**2.53**	2.63	<0.02	0.03	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	03 Feb 2017	BD03_SW_030217	Normal	NSW_0908_PFAS		0.05	*2.8*	0.52	**3.32**	3.51	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Feb 2017	BD03_SW_100217	Normal	NSW_0908_PFAS		<0.05	*2.16*	0.91	**3.07**	3.29	<0.05	0.08	0.06	<0.05	<0.2	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW047	17 Feb 2017	BD03_SW_17022017	Normal	NSW_0908_PFAS		0.04	*1.68*	0.64	**2.32**	2.58	0.04	0.05	0.02	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	BD03_SW_240217	Normal	NSW_0908_PFAS		0.05	*2.16*	0.65	**2.81**	3.14	0.05	0.05	0.04	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	QC409_SW_240217	Field_D	NSW_0908_PFAS		0.06	*2.65*	0.77	**3.42**	3.8	0.05	0.06	0.05	<0.02	<0.1	0.04	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	QC508_SW_24022017	Interlab_D	NSW_0908_PFAS		<0.02	*1.2*	0.28	1.48	-	0.017	-	-	<0.02	<0.05	<0.02	0.053	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW047	03 Mar 2017	BD03_SW_030317	Normal	NSW_0908_PFAS		0.03	*1.65*	0.28	1.93	1.99	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Mar 2017	BD03_SW_100317	Normal	NSW_0908_PFAS		0.06	*1.78*	0.79	**2.57**	2.89	0.04	0.06	0.03	<0.02	<0.1	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	17 Mar 2017	BD03_SW_20170317	Normal	NSW_0908_PFAS		0.06	*3.45*	1.12	**4.57**	4.99	0.04	0.06	0.05	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 Mar 2017	BD03_SW_220317	Normal	NSW_0908_PFAS		0.06	*1.73*	0.98	**2.71**	3.18	0.07	0.08	0.04	<0.02	<0.1	0.03	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	31 Mar 2017	BD03_SW_310317	Normal	NSW_0908_PFAS		0.09	*4.62*	1	**5.62**	6.22	0.05	0.08	0.06	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	07 Apr 2017	BD03_SW_070417	Normal	NSW_0908_PFAS		0.12	*3.59*	1.74	**5.33**	6.18	0.12	0.13	0.07	<0.02	<0.1	0.11	0.24	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	BD03_SW_050517	Normal	NSW_0908_PFAS		0.08	*3.28*	1.53	**4.81**	-	0.11	0.17	0.1	<0.02	<0.1	<0.02	0.34	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.29	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	QC417_050517	Field_D	NSW_0908_PFAS		0.07	*2.62*	1.43	**4.05**	-	0.12	0.14	0.08	<0.02	<0.1	<0.02	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	QC_516_050517	Field_D	NSW_0908_PFAS		0.061	*1.6*	0.93	**2.53**	-	0.093	-	-	<0.02	0.077	0.2	0.34	0.061	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	0.19	<0.05	-	<0.02	-	-	-	-	-	-
SW047	02 Jun 2017	BD03_SW_020617	Normal	NSW_0908_PFAS		0.04	*1.77*	1.01	**2.78**	3.82	0.09	0.1	0.06	<0.02	<0.1	0.12	0.25	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	21 Jul 2017	BD03_SW_210717	Normal	NSW_0908_PFAS		0.05	*2.06*	0.92	**2.98**	3.78	0.06	0.09	0.06	<0.02	<0.1	0.12	0.18	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.19	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	12 Apr 2018	BD03_SW_13042018	Normal	NSW_0908_PFAS		0.08	*4.95*	0.88	**5.83**	6.35	0.04	0.06	0.07	<0.02	<0.1	0.07	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	07 Dec 2018	0908_BD03_SW_181207	Normal	NSW_0908_PFAS		0.12	*6.69*	1.42	**8.11**	8.92	0.05	0.08	0.09	<0.02	<0.1	0.15	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	09 Apr 2019	0908_BD03_190409	Normal	NSW_0908_PFAS		0.12	*9.16*	1.63	**10.79**	-	0.09	0.13	0.15	<0.02	<0.1	0.08	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	09 Apr 2019	0908_QC100_190409	Field_D	NSW_0908_PFAS		0.12	*9.91*	1.71	**11.62**	-	0.08	0.14	0.15	<0.02	<0.1	0.08	0.36	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	14 Jun 2019	0908_BD03_SW_190614	Normal	NSW_0908_PFAS		0.09	*3.78*	0.73	**4.51**	5.41	0.03	0.05	0.05	<0.02	<0.1	0.1	0.2	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.32	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	06 Nov 2019	0908_BD03_SW_191106	Normal	NSW_0908_PFASOMP		0.08	*5.12*	0.99	**6.11**	7.01	0.09	0.06	0.08	<0.02	<0.1	0.10	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	06 Nov 2019	0908_BD04_SW_191106	Normal	NSW_0908_PFASOMP		0.05	*0.15*	0.83	0.98	1.51	0.10	0.06	0.03	<0.02	<0.1	0.03	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 May 2020	0908_SW047_200522	Normal	NSW_0908_PFASOMP		0.04	*3.79*	0.68	**4.47**	5.13	0.05	0.06	0.05	<0.02	<0.1	0.08	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	27 Nov 2020	0908_SW047_201127	Normal	NSW_0908_PFASOMP		0.15	*20.6*	1.83	**22.4**	23.6	0.06	0.08	0.16	<0.02	<0.1	0.16	0.45	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	11 May 2021	0908_SW047_210511	Normal	NSW_0908_PFASOMP		0.08	*3.23*	1.46	**4.69**	5.43	0.08	0.11	0.07	<0.02	<0.1	0.08	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	16 Nov 2021	0908_SW047_211116	Normal	NSW_0908_PFASOMP		0.14	*9.14*	1.54	**10.7**	11.8	0.08	0.10	0.09	<0.02	<0.1	0.12	0.47	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	19 May 2022	0908_SW047_220519	Normal	NSW_0908_PFASOMP		0.11	*5.34*	0.87	**6.21**	6.82	0.03	0.06	0.06	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Nov 2022	0908_SW047_221110	Normal	NSW_0908_PFASOMP		0.08	*3.93*	0.74	**4.67**	5.05	0.03	0.04	0.06	<0.02	<0.1	0.03	0.11	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 May 2023	0908_QC108_230510	Field_D	NSW_0908_PFASOMP_23		0.12	*10.8*	1.19	**12.0**	12.9	0.07	0.10	0.13	<0.02	<0.1	0.11	0.27	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 May 2023	0908_QC208_230510	Interlab_D	NSW_0908_PFASOMP_23		0.1	*8.5*	1.2	**9.7**	10	0.06	0.09	0.08	<0.02	0.04	0.08	0.23	0.06	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.08	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW047	10 May 2023	0908_SW047_230510	Normal	NSW_0908_PFASOMP_23		0.10	*8.42*	0.94	**9.36**	10.1	0.05	0.08	0.08	<0.02	<0.1	0.08	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 Nov 2023	0908_SW047_231122	Normal	NSW_0908_PFASOMP_23		0.06	*3.43*	0.69	**4.12**	4.64	0.04	0.04	0.06	<0.02	<0.1	0.06	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	18 Apr 2024	0908_SW047_240418	Normal	NSW_0908_PFASOMP_24		0.07	*4.54*	1.08	**5.62**	6.22	0.05	0.09	0.07	<0.02	<0.1	0.08	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SW048	17 Nov 2014	BD04_SW01_171114	Normal	NSW_0908_PFAS	0.07	*0.05*	0.36	0.41	-	0.05	-	-	<0.01	-	<0.01	0.11	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW048	20 Nov 2015	BD04_SW_20112015	Normal	NSW_0908_PFAS	0.039	*0.14*	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-
SW048	20 Jan 2016	BD04_SW_20012016	Normal	NSW_0908_PFAS	0.02	*0.7*	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
SW048	16 Dec 2016	BD04_SW_161216	Normal	NSW_0908_PFAS	<0.01	*0.11*	0.41	0.52	0.63	0.03	0.05	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	12 Apr 2018	BD04_SW_13042018	Normal	NSW_0908_PFAS	0.03	*0.15*	0.68	0.83	1.23	0.06	0.07	<0.02	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	07 Dec 2018	0908_BD04_SW_181207	Normal	NSW_0908_PFAS	0.04	*0.13*	0.71	0.84	1.29	0.06	0.09	0.02	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	14 Jun 2019	0908_BD04_SW_190614	Normal	NSW_0908_PFAS	<0.01	*0.04*	0.3	0.34	0.45	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 May 2020	0908_SW048_200522	Normal	NSW_0908_PFASOMP	0.04	*0.24*	0.76	1.00	1.44	0.07	0.08	0.02	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	27 Nov 2020	0908_SW048_201127	Normal	NSW_0908_PFASOMP	0.05	*0.29*	1.17	1.46	2.10	0.10	0.12	0.05	<0.02	<0.1	0.04	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	11 May 2021	0908_SW048_210511	Normal	NSW_0908_PFASOMP	0.06	*0.22*	1.02	1.24	1.84	0.09	0.10	0.05	<0.02	<0.1	0.04	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	16 Nov 2021	0908_SW048_211116	Normal	NSW_0908_PFASOMP	0.06	*0.38*	1.01	1.39	2.08	0.14	0.10	0.05	<0.02	<0.1	0.04	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	19 May 2022	0908_SW048_220519	Normal	NSW_0908_PFASOMP	0.08	*0.44*	1.22	1.66	2.35	0.08	0.13	0.08	<0.02	<0.1	0.04	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	10 Nov 2022	0908_SW048_221110	Normal	NSW_0908_PFASOMP	0.05	*0.22*	0.78	1.00	1.56	0.10	0.13	0.04	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	10 May 2023	0908_SW048_230510	Normal	NSW_0908_PFASOMP_23	0.07	*0.52*	0.94	1.46	2.01	0.07	0.10	0.05	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 Nov 2023	0908_QC108_231122	Field_D	NSW_0908_PFASOMP_23	0.06	*0.60*	0.81	1.41	1.87	0.08	0.07	0.05	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 Nov 2023	0908_QC208_231122	Interlab_D	NSW_0908_PFASOMP_23	0.05	*0.62*	0.87	1.5	2.0	0.09	0.08	0.06	<0.02	<0.02	0.02	0.15	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW048	22 Nov 2023	0908_SW048_231122	Normal	NSW_0908_PFASOMP_23	0.01	*0.17*	0.18	0.35	0.46	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	18 Apr 2024	0908_SW048_240418	Normal	NSW_0908_PFASOMP_24	0.05	*0.56*	0.57	1.13	1.41	0.03	0.05	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	23 Jun 2014	DD1-WATER	Normal	NSW_0908_PFAS	0.09	*0.13*	0.48	0.61	-	0.06	-	-	<0.01	-	0.04	0.27	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW055	25 Jun 2014	QC7_WATER	Field_D	NSW_0908_PFAS	0.1	*0.59*	0.7	1.29	-	0.06	-	-	<0.01	-	0.05	0.31	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW055	26 Jun 2014	QC6_SEDIMENT_PW	Interlab_D	NSW_0908_PFAS	<0.02	<0.02	0.25	0.27	-	0.1	-	-	<0.02	-	-	0.15	0.03	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
SW055	26 Jun 2014	QC8_WATER	Interlab_D	NSW_0908_PFAS	0.16	*8.63*	-	**8.63**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
SW055	14 Jan 2016	DD1_SW_1412016	Normal	NSW_0908_PFAS	0.247	*5.17*	-	**5.17**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-
SW055	15 Jan 2016	DD1_SW_15012016	Normal	NSW_0908_PFAS	0.093	*3.57*	-	**3.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-	-
SW055	16 Dec 2016	DD1_SW_161216	Normal	NSW_0908_PFAS	0.13	*2.66*	1.97	**4.63**	5.52	0.16	0.16	0.07	<0.02	<0.1	0.09	0.22	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	03 Mar 2017	DD1_SW_030317	Normal	NSW_0908_PFAS	<0.01	*0.1*	0.08	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1330	Normal	NSW_0908_PFAS	<0.01	*0.08*	0.16	0.24	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1445	Normal	NSW_0908_PFAS	<0.01	*0.08*	0.18	0.26	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1500	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.14	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1515	Normal	NSW_0908_PFAS	<0.01	*0.09*	0.16	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1545	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1600	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1615	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1630	Normal	NSW_0908_PFAS	<0.01	*0.06*	0.1	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1645	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1700	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1000	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1015	Normal	NSW_0908_PFAS	<0.01	*0.11*	0.21	0.32	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1030	Normal	NSW_0908_PFAS	<0.01	*0.11*	0.21	0.32	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1045	Normal	NSW_0908_PFAS	<0.01	*0.09*	0.18	0.27	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1100	Normal	NSW_0908_PFAS	<0.01	*0.09*	0.16	0.25	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1115	Normal	NSW_0908_PFAS	<0.01	*0.08*	0.15	0.23	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1130	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1715	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1730	Normal	NSW_0908_PFAS	<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_SW_100317	Normal	NSW_0908_PFAS	<0.01	*0.06*	0.06	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	17 Mar 2017	DD1_SW_20170317	Normal	NSW_0908_PFAS	<0.01	*0.14*	0.55	0.69	0.81	<0.02	0.03	<0.02	<0.02	<0.1	0.04	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1545	Normal	NSW_0908_PFAS	0.02	*0.64*	0.38	1.02	1.13	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW055	20 Mar 2017	DD1_AS_200317_1600	Normal	NSW_0908_PFAS		0.02	*0.64*	0.36	1	1.12	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1615	Normal	NSW_0908_PFAS		0.03	*1.01*	0.84	1.85	2.14	0.06	0.06	0.04	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_815	Normal	NSW_0908_PFAS		0.03	*0.91*	0.67	1.58	1.82	0.05	0.05	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_830	Normal	NSW_0908_PFAS		0.02	*0.7*	0.5	1.2	1.38	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_845	Normal	NSW_0908_PFAS		0.02	*0.65*	0.38	1.03	1.15	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_900	Normal	NSW_0908_PFAS		0.01	*0.56*	0.3	0.86	0.95	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_915	Normal	NSW_0908_PFAS		0.01	*0.53*	0.26	0.79	0.87	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_930	Normal	NSW_0908_PFAS		0.01	*0.53*	0.25	0.78	0.86	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_945	Normal	NSW_0908_PFAS		<0.01	*0.44*	0.22	0.66	0.68	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1015	Normal	NSW_0908_PFAS		<0.01	*0.49*	0.27	0.76	0.79	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1115	Normal	NSW_0908_PFAS		<0.01	*0.5*	0.28	0.78	0.81	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1130	Normal	NSW_0908_PFAS		<0.01	*0.42*	0.22	0.64	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1145	Normal	NSW_0908_PFAS		<0.01	*0.3*	0.14	0.44	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1215	Normal	NSW_0908_PFAS		<0.01	*0.22*	0.07	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1230	Normal	NSW_0908_PFAS		<0.01	*0.24*	0.07	0.31	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210347_1200	Normal	NSW_0908_PFAS		<0.01	*0.25*	0.1	0.35	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 Mar 2017	DD1_SW_220317	Normal	NSW_0908_PFAS		0.02	*0.75*	0.61	1.36	1.57	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	31 Mar 2017	DD1_SW_310317	Normal	NSW_0908_PFAS		0.01	*0.42*	0.31	0.73	0.78	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	07 Apr 2017	DD1_SW_070417	Normal	NSW_0908_PFAS		0.03	*0.38*	0.55	0.93	1.11	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 May 2017	DD1_SW_050517	Normal	NSW_0908_PFAS		<0.01	*0.51*	0.26	0.77	-	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	02 Jun 2017	DD1_SW_020617	Normal	NSW_0908_PFAS		<0.01	*0.13*	0.08	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Jul 2017	DD1_SW_210717	Normal	NSW_0908_PFAS		0.04	*1.72*	0.79	**2.51**	2.99	0.09	0.08	0.03	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	12 Apr 2018	DD1_SW_13042018	Normal	NSW_0908_PFAS		<0.01	*0.35*	0.14	0.49	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	07 Dec 2018	0908_DD1_SW_181207	Normal	NSW_0908_PFAS		0.04	*0.83*	0.76	1.59	2.06	0.06	0.09	0.02	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Apr 2019	0908_DD1_190409	Normal	NSW_0908_PFAS		0.04	*0.4*	0.85	1.25	-	0.07	0.09	0.04	<0.02	<0.1	0.04	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	13 Jun 2019	0908_DD1_SW_190613	Normal	NSW_0908_PFAS		0.01	*0.17*	0.36	0.53	0.67	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 Nov 2019	0908_DD1_SW_191105	Normal	NSW_0908_PFASOMP		0.04	*0.08*	0.84	0.92	1.23	0.03	0.06	0.04	<0.02	<0.1	<0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 May 2020	0908_SW055_200522	Normal	NSW_0908_PFASOMP		<0.01	*0.15*	0.18	0.33	0.38	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	23 Nov 2020	0908_SW055_201123	Normal	NSW_0908_PFASOMP		0.05	*0.59*	0.88	1.47	1.97	0.07	0.10	0.04	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 May 2021	0908_SW055_210505	Normal	NSW_0908_PFASOMP		0.10	*2.92*	1.38	**4.30**	5.15	0.09	0.14	0.10	<0.02	<0.1	0.08	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	11 May 2021	0908_SW055_210511	Normal	NSW_0908_PFASOMP		0.08	*3.31*	1.12	**4.43**	5.08	0.07	0.09	0.07	<0.02	<0.1	0.06	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Jun 2021	0908_QC100_210625	Field_D	NSW_0908_PFASOMP		0.07	*2.93*	1.00	**3.93**	4.50	0.06	0.09	0.05	<0.02	<0.1	0.06	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Jun 2021	0908_QC200_210625	Interlab_D	NSW_0908_PFASOMP		0.056	*2.3*	0.87	-	-	0.052	0.065	0.037	<0.01	<0.05	0.059	0.15	0.033	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.048	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW055	25 Jun 2021	0908_SW055_210625	Normal	NSW_0908_PFASOMP		0.08	*3.54*	1.07	**4.61**	5.31	0.06	0.10	0.07	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	30 Jul 2021	0908_QC100_210730	Field_D	NSW_0908_PFASOMP		0.06	*0.82*	1.04	1.86	2.46	0.09	0.10	0.05	<0.02	<0.1	0.05	0.21	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	30 Jul 2021	0908_QC200_210730	Interlab_D	NSW_0908_PFASOMP		0.046	*0.69*	0.98	-	-	0.075	0.081	0.031	<0.01	<0.05	0.043	0.15	0.031	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW055	30 Jul 2021	0908_SW055_210730	Normal	NSW_0908_PFASOMP		0.06	*0.86*	1.02	1.88	2.47	0.09	0.10	0.05	<0.02	<0.1	0.05	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Aug 2021	0908_SW055_210820	Normal	NSW_0908_PFASOMP		0.06	*0.62*	0.97	1.59	2.15	0.08	0.11	0.05	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	27 Sep 2021	0908_SW055_210927	Normal	NSW_0908_PFASOMP		0.05	*1.45*	0.89	**2.34**	2.86	0.08	0.09	0.04	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Oct 2021	0908_SW055_211025	Normal	NSW_0908_PFASOMP		0.05	*0.63*	0.80	1.43	1.95	0.08	0.10	0.04	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	16 Nov 2021	0908_SW055_211116	Normal	NSW_0908_PFASOMP		0.06	*2.02*	0.89	**2.91**	3.53	0.09	0.08	0.04	<0.02	<0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	19 May 2022	0908_QC111_220519	Field_D	NSW_0908_PFASOMP		0.08	*3.98*	0.96	**4.94**	5.64	0.05	0.08	0.06	<0.02	<0.1	0.08	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	19 May 2022	0908_SW055_220519	Normal	NSW_0908_PFASOMP		0.08	*3.81*	1.01	**4.82**	5.50	0.05	0.08	0.06	<0.02	<0.1	0.06	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	12 Aug 2022	0908_SW055_220812	Normal	NSW_0908_PFASMGMT		0.09	*4.46*	0.97	**5.43**	6.00	0.06	0.07	0.08	<0.02	<0.1	0.05	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Nov 2022	0908_SW055_221110	Normal	NSW_0908_PFASOMP		0.08	*3.48*	0.80	**4.28**	4.82	0.06	0.08	0.07	<0.02	<0.1	0.04	0.17	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 May 2023	0908_SW055_230510	Normal	NSW_0908_PFASOMP_23		0.05	*0.90*	0.88	1.78	2.26	0.07	0.10	0.04	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 Nov 2023	0908_SW055_231122	Normal	NSW_0908_PFASOMP_23		0.05	*0.55*	0.71	1.26	1.69	0.10	0.06	0.04	<0.02	<0.1	0.02	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	17 Apr 2024	0908_SW055_240417	Normal	NSW_0908_PFASOMP_24		0.04	*0.56*	0.65	1.21	1.53	0.04	0.07	0.04	<0.02	<0.1	<0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SW059	19 Jun 2014	DD2_WATER	Normal	NSW_0908_PFAS		0.08	*0.02*	0.52	0.54	-	0.11	-	-	<0.01	-	0.04	0.42	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW059	14 Jan 2016	DD2_SW_1412016	Normal	NSW_0908_PFAS		0.082	*1.56*	-	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW059	14 Jan 2016	QC200_SW_140116	Interlab_D	NSW_0908_PFAS		0.064	*2.6*	-	**2.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW059	14 Dec 2016	DD2_SW_161214	Normal	NSW_0908_PFAS		0.1	*0.8*	1.68	**2.48**	3.55	0.31	0.28	0.07	<0.02	<0.1	0.06	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
SW059	02 Feb 2017	DD2_SW_020217	Normal	NSW_0908_PFAS		0.03	*1.61*	0.66	**2.27**	2.59	0.06	0.08	0.03	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Feb 2017	DD2_SW_090217	Normal	NSW_0908_PFAS		<0.05	*0.44*	0.12	0.56	0.56	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW059	16 Feb 2017	DD2_SW_16022017	Normal	NSW_0908_PFAS		<0.05	*0.08*	0.18	0.26	4.66	<0.05	<0.05	<0.05	<0.05	4.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW059	02 Mar 2017	DD2_SW_020317	Normal	NSW_0908_PFAS		0.02	*0.62*	0.65	1.27	1.52	0.06	0.07	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1030	Normal	NSW_0908_PFAS		<0.01	*0.05*	0.06	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1045	Normal	NSW_0908_PFAS		0.03	*1.13*	0.73	1.86	2.1	0.04	0.06	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1100	Normal	NSW_0908_PFAS		0.03	*1.01*	0.62	1.63	1.84	0.04	0.05	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1115	Normal	NSW_0908_PFAS		0.03	*0.86*	0.61	1.47	1.66	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1130	Normal	NSW_0908_PFAS		0.02	*0.82*	0.54	1.36	1.53	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1145	Normal	NSW_0908_PFAS		0.02	*0.95*	0.51	1.46	1.59	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1200	Normal	NSW_0908_PFAS		0.02	*0.67*	0.34	1.01	1.1	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1215	Normal	NSW_0908_PFAS		0.01	*0.71*	0.32	1.03	1.11	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1230	Normal	NSW_0908_PFAS		0.02	*0.8*	0.42	1.22	1.34	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1245	Normal	NSW_0908_PFAS		0.02	*0.85*	0.46	1.31	1.45	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1300	Normal	NSW_0908_PFAS		0.01	*0.64*	0.33	0.97	1.06	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1315	Normal	NSW_0908_PFAS		0.01	*0.6*	0.31	0.91	0.99	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1330	Normal	NSW_0908_PFAS		0.01	*0.64*	0.33	0.97	1.06	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1345	Normal	NSW_0908_PFAS		0.02	*0.78*	0.43	1.21	1.35	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1400	Normal	NSW_0908_PFAS		0.02	*0.75*	0.42	1.17	1.29	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1415	Normal	NSW_0908_PFAS		0.02	*0.68*	0.36	1.04	1.15	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1430	Normal	NSW_0908_PFAS		0.02	*0.62*	0.33	0.95	1.04	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Mar 2017	DD2_SW_090317	Normal	NSW_0908_PFAS		0.01	*0.34*	0.58	0.92	1.28	0.13	0.1	<0.02	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 Mar 2017	DD2_SW_20170316	Normal	NSW_0908_PFAS		0.01	*0.26*	1.22	1.48	2.15	0.22	0.18	<0.02	<0.02	<0.1	0.04	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_200317_0245	Normal	NSW_0908_PFAS		0.04	*0.7*	1.51	**2.21**	3.08	0.32	0.27	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_0300	Normal	NSW_0908_PFAS		0.03	*0.67*	1.46	**2.13**	2.93	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_0945	Normal	NSW_0908_PFAS		0.02	*0.65*	1.31	1.96	2.75	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1000	Normal	NSW_0908_PFAS		0.02	*0.59*	1.35	1.94	2.73	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1015	Normal	NSW_0908_PFAS		0.03	*0.62*	1.32	1.94	2.74	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1030	Normal	NSW_0908_PFAS		0.03	*0.52*	1.31	1.83	2.63	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1045	Normal	NSW_0908_PFAS		0.02	*0.61*	1.36	1.97	2.76	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1100	Normal	NSW_0908_PFAS		0.02	*0.54*	1.38	1.92	2.7	0.32	0.25	0.04	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1115	Normal	NSW_0908_PFAS		0.02	*0.52*	1.37	1.89	2.69	0.31	0.28	0.04	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1145	Normal	NSW_0908_PFAS		0.03	*0.58*	1.34	1.92	2.74	0.32	0.27	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1215	Normal	NSW_0908_PFAS		0.02	*0.61*	1.36	1.97	2.79	0.32	0.28	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1245	Normal	NSW_0908_PFAS		0.02	*0.58*	1.4	1.98	2.82	0.33	0.28	0.04	<0.02	<0.1	<0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1315	Normal	NSW_0908_PFAS		0.03	*0.67*	1.37	**2.04**	2.87	0.33	0.26	0.04	<0.02	<0.1	<0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2130	Normal	NSW_0908_PFAS		0.03	*0.57*	1.41	1.98	2.77	0.29	0.25	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2145	Normal	NSW_0908_PFAS		0.04	*0.64*	1.54	**2.18**	3.03	0.3	0.26	0.05	<0.02	<0.1	<0.02	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2200	Normal	NSW_0908_PFAS		0.03	*0.59*	1.45	**2.04**	2.86	0.29	0.26	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2215	Normal	NSW_0908_PFAS		0.04	*0.66*	1.5	**2.16**	3.02	0.3	0.28	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2230	Normal	NSW_0908_PFAS		0.03	*0.56*	1.46	**2.02**	2.82	0.3	0.25	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2245	Normal	NSW_0908_PFAS		0.03	*0.6*	1.41	**2.01**	2.81	0.29	0.25	0.05	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2300	Normal	NSW_0908_PFAS		0.03	*0.61*	1.4	**2.01**	2.78	0.29	0.25	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2315	Normal	NSW_0908_PFAS		0.03	*0.63*	1.35	1.98	2.75	0.28	0.24	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SW059	21 Mar 2017	DD2_AS_210317_2330	Normal	NSW_0908_PFAS		0.03	*0.71*	1.53	**2.24**	3.12	0.32	0.28	0.05	<0.02	<0.1	<0.02	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2345	Normal	NSW_0908_PFAS		0.04	*0.68*	1.62	**2.3**	3.23	0.33	0.31	0.05	<0.02	<0.1	<0.02	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0015	Normal	NSW_0908_PFAS		0.03	*0.66*	1.56	**2.22**	3.07	0.32	0.27	0.04	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0045	Normal	NSW_0908_PFAS		0.04	*0.66*	1.59	**2.25**	3.14	0.32	0.27	0.05	<0.02	<0.1	<0.02	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0115	Normal	NSW_0908_PFAS		0.03	*0.58*	1.48	**2.06**	2.91	0.31	0.27	0.04	<0.02	<0.1	<0.02	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0145	Normal	NSW_0908_PFAS		0.03	*0.64*	1.45	**2.09**	2.91	0.3	0.26	0.05	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0215	Normal	NSW_0908_PFAS		0.03	*0.63*	1.47	**2.1**	2.91	0.3	0.26	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Mar 2017	DD2_SW_23032017	Normal	NSW_0908_PFAS		0.03	*0.64*	1.48	**2.12**	2.99	0.29	0.22	0.05	<0.02	<0.1	0.04	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	31 Mar 2017	DD2_SW_310317	Normal	NSW_0908_PFAS		0.02	*0.48*	0.63	1.11	1.41	0.08	0.1	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	05 Apr 2017	DD2_SW_050417	Normal	NSW_0908_PFAS		0.03	*0.45*	1.67	**2.12**	2.9	0.22	0.23	0.03	<0.02	<0.1	0.03	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	04 May 2017	DD2_SW_040517	Normal	NSW_0908_PFAS		0.12	*1.82*	3.26	**5.08**	-	0.27	0.41	0.17	<0.02	<0.1	<0.02	0.44	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	01 Jun 2017	DD2_SW_010617	Normal	NSW_0908_PFAS		0.07	*0.96*	2.94	**3.9**	5.62	0.41	0.4	0.07	<0.02	<0.1	0.1	0.6	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Jul 2017	DD2_SW_200717	Normal	NSW_0908_PFAS		0.05	*1.08*	1.4	**2.48**	3.07	0.1	0.14	0.05	<0.02	<0.1	0.03	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	12 Apr 2018	DD2_SW_12042018	Normal	NSW_0908_PFAS		0.04	*0.81*	1.14	1.95	2.58	0.13	0.14	0.04	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	06 Dec 2018	0908_DD2_SW_181206	Normal	NSW_0908_PFAS		0.1	*0.91*	2.29	**3.2**	4.63	0.27	0.29	0.09	<0.02	<0.1	0.09	0.53	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	13 Jun 2019	0908_DD2_SW_190613	Normal	NSW_0908_PFAS		0.02	*0.14*	1.26	1.4	2.55	0.38	0.37	0.02	<0.02	<0.1	0.02	0.32	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	05 Nov 2019	0908_DD2_SW_191105	Normal	NSW_0908_PFASOMP		0.06	*1.29*	1.49	**2.78**	3.77	0.19	0.23	0.09	<0.02	<0.1	0.06	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	04 Jun 2020	0908_SW059_200604	Normal	NSW_0908_PFASOMP		0.12	*0.85*	4.87	**5.72**	9.20	0.72	0.84	0.15	<0.02	0.1	0.22	1.21	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	13 Nov 2020	0908_SW059_201113	Normal	NSW_0908_PFASOMP		0.06	*1.31*	1.19	**2.50**	3.21	0.09	0.10	0.05	<0.02	<0.1	0.08	0.30	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	18 Dec 2020	0908_SW059_201218	Normal	NSW_0908_PFASOMP		0.08	*0.87*	1.96	**2.83**	3.88	0.22	0.21	0.08	<0.02	<0.1	0.06	0.36	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220200	Normal	NSW_0908_PFASOMP		0.04	*0.72*	1.30	**2.02**	2.63	0.12	0.12	0.05	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220300	Normal	NSW_0908_PFASOMP		0.04	*0.55*	1.20	1.75	2.31	0.11	0.11	0.04	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220400	Normal	NSW_0908_PFASOMP		0.05	*0.72*	1.36	**2.08**	2.73	0.11	0.13	0.05	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220500	Normal	NSW_0908_PFASOMP		0.06	*0.80*	1.50	**2.30**	3.02	0.13	0.15	0.05	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220600	Normal	NSW_0908_PFASOMP		0.05	*0.62*	1.42	**2.04**	2.72	0.12	0.14	0.05	<0.02	<0.1	0.05	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220700	Normal	NSW_0908_PFASOMP		0.06	*0.91*	1.76	**2.67**	3.51	0.15	0.17	0.06	<0.02	<0.1	0.06	0.30	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220800	Normal	NSW_0908_PFASOMP		0.06	*0.84*	1.78	**2.62**	3.48	0.15	0.18	0.06	<0.02	<0.1	0.06	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220900	Normal	NSW_0908_PFASOMP		0.07	*0.92*	1.91	**2.83**	3.78	0.17	0.19	0.07	<0.02	<0.1	0.07	0.34	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221000	Normal	NSW_0908_PFASOMP		0.07	*0.81*	2.04	**2.85**	3.83	0.18	0.20	0.07	<0.02	<0.1	0.07	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221100	Normal	NSW_0908_PFASOMP		0.07	*0.77*	2.04	**2.81**	3.81	0.18	0.20	0.07	<0.02	<0.1	0.07	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221200	Normal	NSW_0908_PFASOMP		0.08	*0.95*	2.17	**3.12**	4.19	0.20	0.21	0.08	<0.02	<0.1	0.08	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221300	Normal	NSW_0908_PFASOMP		0.08	*0.95*	2.23	**3.18**	4.29	0.20	0.22	0.08	<0.02	<0.1	0.08	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221400	Normal	NSW_0908_PFASOMP		0.09	*1.07*	2.56	**3.63**	4.87	0.22	0.24	0.09	<0.02	<0.1	0.09	0.45	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221500	Normal	NSW_0908_PFASOMP		0.08	*1.00*	2.19	**3.19**	4.31	0.20	0.21	0.08	<0.02	<0.1	0.08	0.42	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221600	Normal	NSW_0908_PFASOMP		0.05	*0.75*	1.50	**2.25**	3.01	0.14	0.16	0.06	<0.02	<0.1	0.06	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221700	Normal	NSW_0908_PFASOMP		0.05	*0.71*	1.37	**2.08**	2.75	0.12	0.14	0.05	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221800	Normal	NSW_0908_PFASOMP		0.04	*0.57*	1.17	1.74	2.31	0.10	0.12	0.05	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221900	Normal	NSW_0908_PFASOMP		0.03	*0.63*	1.19	1.82	2.37	0.10	0.12	0.04	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222000	Normal	NSW_0908_PFASOMP		0.04	*0.55*	1.03	1.58	2.07	0.09	0.10	0.04	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222100	Normal	NSW_0908_PFASOMP		0.03	*0.55*	0.99	1.54	2.02	0.09	0.10	0.04	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222200	Normal	NSW_0908_PFASOMP		0.04	*0.61*	1.16	1.77	2.31	0.10	0.11	0.04	<0.02	<0.1	0.04	0.19	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222300	Normal	NSW_0908_PFASOMP		0.02	*0.53*	0.97	1.50	1.94	0.08	0.10	0.03	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Dec 2020	0908_SW059_2012230000	Normal	NSW_0908_PFASOMP		0.03	*0.52*	0.97	1.49	1.95	0.08	0.10	0.04	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Dec 2020	0908_SW059_2012230100	Normal	NSW_0908_PFASOMP		0.03	*0.66*	1.20	1.86	2.40	0.10	0.12	0.04	<0.02	<0.1	0.04	0.19	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC105_210128	Field_D	NSW_0908_PFASOMP		0.06	*0.83*	1.39	**2.22**	2.89	0.12	0.14	0.06	<0.02	<0.1	0.02	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC106_210128	Field_D	NSW_0908_PFASOMP		0.05	*0.82*	1.25	**2.07**	2.70	0.11	0.13	0.06	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC107_210128	Field_D	NSW_0908_PFASOMP		0.05	*0.85*	1.17	**2.02**	2.58	0.10	0.12	0.06	<0.02	<0.1	<0.02	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC108_210128	Field_D	NSW_0908_PFASOMP		0.05	*0.96*	1.22	**2.18**	2.77	0.10	0.12	0.05	<0.02	<0.1	0.03	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SW059	28 Jan 2021	0908_QC205_210128	Interlab_D	NSW_0908_PFASOMP		0.042	*0.66*	1.1	-	-	0.094	0.11	0.028	<0.01	<0.05	0.037	0.16	0.021	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC206_210128	Interlab_D	NSW_0908_PFASOMP		0.039	*0.66*	1	-	-	0.08	0.089	0.024	<0.01	<0.05	0.035	0.15	0.019	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC207_210128	Interlab_D	NSW_0908_PFASOMP		0.038	*0.77*	0.97	-	-	0.083	0.093	0.024	<0.01	<0.05	0.033	0.15	0.023	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC208_210128	Interlab_D	NSW_0908_PFASOMP		0.04	*0.89*	1.1	-	-	0.091	0.1	0.026	<0.01	<0.05	0.038	0.18	0.023	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_SW059_2101281630	Normal	NSW_0908_PFASOMP		0.06	*0.96*	1.59	**2.55**	3.28	0.11	0.16	0.07	<0.02	<0.1	0.04	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281730	Normal	NSW_0908_PFASOMP		0.06	*0.86*	1.33	**2.19**	2.85	0.11	0.14	0.06	<0.02	<0.1	0.03	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281830	Normal	NSW_0908_PFASOMP		0.05	*0.74*	1.20	1.94	2.49	0.09	0.12	0.05	<0.02	<0.1	0.02	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281930	Normal	NSW_0908_PFASOMP		0.05	*0.78*	1.17	1.95	2.50	0.08	0.12	0.05	<0.02	<0.1	0.02	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282030	Normal	NSW_0908_PFASOMP		0.05	*0.97*	1.29	**2.26**	2.87	0.10	0.13	0.06	<0.02	<0.1	0.03	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282130	Normal	NSW_0908_PFASOMP		0.05	*0.89*	1.09	1.98	2.52	0.08	0.12	0.05	<0.02	<0.1	0.02	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282230	Normal	NSW_0908_PFASOMP		0.05	*1.07*	1.27	**2.34**	2.95	0.10	0.13	0.06	<0.02	<0.1	0.02	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282330	Normal	NSW_0908_PFASOMP		0.05	*1.12*	1.31	**2.43**	3.05	0.09	0.14	0.06	<0.02	<0.1	0.03	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_210129	Normal	NSW_0908_PFASOMP		0.11	*1.62*	2.46	**4.08**	5.45	0.21	0.27	0.11	<0.02	<0.1	0.11	0.51	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290030	Normal	NSW_0908_PFASOMP		0.06	*1.12*	1.47	**2.59**	3.29	0.11	0.15	0.06	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290130	Normal	NSW_0908_PFASOMP		0.07	*1.24*	1.60	**2.84**	3.65	0.12	0.17	0.07	<0.02	<0.1	0.05	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290230	Normal	NSW_0908_PFASOMP		0.06	*1.13*	1.48	**2.61**	3.34	0.11	0.16	0.07	<0.02	<0.1	0.04	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290330	Normal	NSW_0908_PFASOMP		0.08	*1.27*	1.80	**3.07**	3.96	0.13	0.19	0.08	<0.02	<0.1	0.05	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290430	Normal	NSW_0908_PFASOMP		0.08	*1.23*	1.82	**3.05**	3.97	0.14	0.18	0.08	<0.02	<0.1	0.06	0.34	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290530	Normal	NSW_0908_PFASOMP		0.09	*1.44*	2.11	**3.55**	4.64	0.18	0.22	0.09	<0.02	<0.1	0.06	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290630	Normal	NSW_0908_PFASOMP		0.10	*1.44*	2.37	**3.81**	5.09	0.21	0.25	0.10	<0.02	<0.1	0.08	0.48	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290730	Normal	NSW_0908_PFASOMP		0.12	*1.37*	2.91	**4.28**	5.74	0.24	0.31	0.10	<0.02	<0.1	0.09	0.53	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290830	Normal	NSW_0908_PFASOMP		0.12	*1.42*	2.71	**4.13**	5.58	0.24	0.29	0.11	<0.02	<0.1	0.09	0.53	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290930	Normal	NSW_0908_PFASOMP		0.13	*1.52*	2.94	**4.46**	6.10	0.26	0.30	0.13	<0.02	0.1	0.09	0.56	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291030	Normal	NSW_0908_PFASOMP		0.14	*1.57*	3.04	**4.61**	6.23	0.27	0.32	0.14	<0.02	<0.1	0.09	0.58	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291130	Normal	NSW_0908_PFASOMP		0.14	*1.48*	2.94	**4.42**	6.03	0.24	0.30	0.13	<0.02	0.1	0.09	0.54	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291230	Normal	NSW_0908_PFASOMP		0.13	*1.48*	2.98	**4.46**	6.08	0.25	0.30	0.13	<0.02	0.1	0.09	0.55	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291330	Normal	NSW_0908_PFASOMP		0.13	*1.53*	2.76	**4.29**	5.85	0.22	0.28	0.12	<0.02	0.1	0.13	0.51	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291430	Normal	NSW_0908_PFASOMP		0.13	*1.76*	2.83	**4.59**	6.05	0.22	0.28	0.14	<0.02	<0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291530	Normal	NSW_0908_PFASOMP		0.13	*1.68*	2.83	**4.51**	6.08	0.23	0.29	0.13	<0.02	0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	19 Feb 2021	0908_SW059_210219	Normal	NSW_0908_PFASOMP		0.10	*2.51*	1.92	**4.43**	5.53	0.14	0.16	0.10	<0.02	<0.1	0.10	0.45	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	26 Mar 2021	0908_SW059_210326	Normal	NSW_0908_PFASOMP		0.04	*0.68*	0.63	1.31	1.68	0.05	0.05	0.04	<0.02	<0.1	0.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	27 Apr 2021	0908_SW059_210427	Normal	NSW_0908_PFASOMP		0.06	*1.26*	0.94	**2.20**	2.74	0.07	0.08	0.05	<0.02	<0.1	0.04	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	11 May 2021	0908_SW059_210511	Normal	NSW_0908_PFASOMP		0.06	*1.28*	0.94	**2.22**	2.73	0.06	0.08	0.06	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	25 Jun 2021	0908_SW059_210625	Normal	NSW_0908_PFASOMP		0.07	*1.08*	1.29	**2.37**	3.03	0.09	0.12	0.07	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	30 Jul 2021	0908_SW059_210730	Normal	NSW_0908_PFASOMP		0.06	*1.02*	1.03	**2.05**	2.66	0.09	0.09	0.06	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Aug 2021	0908_QC100_210820	Field_D	NSW_0908_PFASOMP		0.12	*1.69*	1.81	**3.50**	4.69	0.17	0.21	0.12	<0.02	<0.1	0.09	0.43	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Aug 2021	0908_QC200_210820	Interlab_D	NSW_0908_PFASOMP		0.047	*0.51*	0.96	-	-	0.087	0.098	0.028	<0.01	<0.05	0.044	0.17	0.028	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	20 Aug 2021	0908_SW059_210820	Normal	NSW_0908_PFASOMP		0.13	*1.76*	2.14	**3.90**	5.24	0.20	0.24	0.14	<0.02	<0.1	0.10	0.47	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	27 Sep 2021	0908_SW059_210927	Normal	NSW_0908_PFASOMP		0.06	*0.88*	1.07	1.95	2.58	0.10	0.10	0.06	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	25 Oct 2021	0908_SW059_211025	Normal	NSW_0908_PFASOMP		0.16	*2.32*	1.78	**4.10**	5.49	0.18	0.22	0.14	<0.02	<0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	15 Nov 2021	0908_SW059_211115	Normal	NSW_0908_PFASOMP		0.07	*1.18*	1.16	**2.34**	3.10	0.13	0.12	0.07	<0.02	<0.1	0.05	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	17 May 2022	0908_QC103_220517	Field_D	NSW_0908_PFASOMP		0.04	*0.80*	0.73	1.53	1.94	0.05	0.07	0.05	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	17 May 2022	0908_QC203_220517	Interlab_D	NSW_0908_PFASOMP		0.05	*0.72*	0.75	1.5	1.9	0.05	0.06	0.06	<0.02	0.03	0.03	0.13	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW059	17 May 2022	0908_SW059_220517	Normal	NSW_0908_PFASOMP		0.04	*0.76*	0.74	1.50	1.92	0.05	0.07	0.05	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Nov 2022	0908_SW059_221109	Normal	NSW_0908_PFASOMP		0.07	*1.17*	0.88	**2.05**	2.72	0.08	0.12	0.08	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 May 2023	0908_SW059_230516	Normal	NSW_0908_PFASOMP_23		0.13	*2.14*	2.35	**4.49**	5.88	0.25	0.25	0.15	<0.02	<0.1	0.09	0.46	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Nov 2023	0908_SW059_231123	Normal	NSW_0908_PFASOMP_23		0.04	*0.64*	0.88	1.52	1.99	0.07	0.09	0.04	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 Apr 2024	0908_SW059_240416	Normal	NSW_0908_PFASOMP_24		0.06	*0.91*	1.59	**2.50**	3.52	0.18	0.28	0.09	<0.02	<0.1	0.04	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				10			2																									
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																												
SW060	17 Jun 2014	DD3_WATER	Normal	NSW_0908_PFAS	0.61	*0.36*	4.2	**4.56**	-	0.82	-	-	<0.01	-	0.32	2.5	0.33	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW060	14 Jan 2016	DD3_SW_1412016	Normal	NSW_0908_PFAS	0.589	*10.3*	5.42	**15.72**	-	0.684	-	-	<0.005	-	-	1.65	0.11	0.018	<0.002	<0.005	<0.005	<0.005	<0.05	-	<0.01	<0.01	-	<0.002	<0.05	-	<0.1	<0.005	-	<0.1
SW060	14 Jan 2016	QC100_SW_1412016	Field_D	NSW_0908_PFAS	0.212	*8.98*	-	**8.98**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW060	14 Dec 2016	DD3_SW_161214	Normal	NSW_0908_PFAS	0.74	*7.82*	10.3	**18.1**	26.7	1.92	1.79	0.94	<0.02	<0.1	0.75	2.16	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	14 Dec 2016	DD3_SW_161214	Normal	NSW_0908_PFAS	-	-	-	**18.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	02 Feb 2017	DD3_SW_020217	Normal	NSW_0908_PFAS	0.43	*14.2*	4.18	**18.38**	21.5	0.49	0.5	0.37	<0.02	<0.1	0.15	1.03	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	02 Feb 2017	DD3_SW_020217	Normal	NSW_0908_PFAS	-	-	-	**18.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	03 Mar 2017	DD3_SW_030317	Normal	NSW_0908_PFAS	0.05	*1.55*	1	**2.55**	3.19	0.19	0.14	0.03	<0.02	<0.1	<0.02	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Mar 2017	DD3_SW_090317	Normal	NSW_0908_PFAS	0.42	*9.07*	7.41	**16.48**	22.1	1.31	1.1	0.45	<0.02	<0.1	0.3	1.85	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Mar 2017	DD3_SW_090317	Normal	NSW_0908_PFAS	-	-	-	**16.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	16 Mar 2017	DD3_SW_20170316	Normal	NSW_0908_PFAS	0.28	*5.48*	6.78	**12.26**	16.2	0.88	0.83	0.38	<0.02	<0.1	0.18	1.21	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	16 Mar 2017	DD3_SW_20170316	Normal	NSW_0908_PFAS	-	-	-	**12.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	23 Mar 2017	DD3_SW_23032017	Normal	NSW_0908_PFAS	0.68	*11.9*	14	**25.9**	37.8	2.9	2.39	0.75	<0.02	0.6	0.58	3.65	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	31 Mar 2017	DD3_SW_310317	Normal	NSW_0908_PFAS	0.34	*6.72*	6.52	**13.2**	18.4	1.15	1.15	0.4	<0.02	0.2	0.24	1.52	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	31 Mar 2017	DD3_SW_310317	Normal	NSW_0908_PFAS	-	-	-	**13.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	05 Apr 2017	DD3_SW_050417	Normal	NSW_0908_PFAS	0.64	*9.5*	11.4	**20.9**	31.6	2.9	2.7	0.82	<0.02	<0.1	0.51	2.8	0.37	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	04 May 2017	DD3_SW_040517	Normal	NSW_0908_PFAS	2.34	*35.3*	39.9	**75.2**	-	3.59	5.53	2.8	<0.02	<0.1	<0.02	7.42	0.75	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	01 Jun 2017	DD3_SW_010617	Normal	NSW_0908_PFAS	1.87	*20*	28	**48**	71.1	4.38	4.22	1.55	<0.02	0.9	1.73	7.44	1.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Jul 2017	DD3_SW_200717	Normal	NSW_0908_PFAS	0.93	*31.8*	19.8	**51.6**	59.4	0.95	1.36	0.99	<0.02	0.5	0.43	2.26	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	12 Apr 2018	DD3_SW_12042018	Normal	NSW_0908_PFAS	0.61	*12.2*	10.7	**22.9**	30.8	1.65	1.6	0.77	<0.02	0.1	0.37	2.48	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	06 Dec 2018	0908_DD3_SW_181206	Normal	NSW_0908_PFAS	1.43	*30.7*	22.4	**53.1**	69	2.51	3.17	2.07	<0.02	0.3	0.87	4.86	0.65	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	NSW_0908_PFAS	0.4	*4.78*	7.09	**11.87**	19	1.56	1.66	0.45	<0.02	0.2	0.38	2.23	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	NSW_0908_PFAS	-	-	-	**11.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	05 Nov 2019	0908_DD3_SW_191105	Normal	NSW_0908_PFASOMP	0.64	*12.5*	10.4	**22.9**	31.5	1.28	1.79	0.91	<0.02	0.4	0.57	2.68	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	04 Jun 2020	0908_SW060_200604	Normal	NSW_0908_PFASOMP	0.88	*8.48*	10.8	**19.3**	34.0	2.31	3.63	1.46	<0.02	0.5	0.84	4.54	0.56	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Nov 2020	0908_SW060_201120	Normal	NSW_0908_PFASOMP	1.19	*26.4*	16.8	**43.2**	54.5	1.10	1.76	1.94	<0.02	0.5	0.73	3.72	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	18 Dec 2020	0908_SW060_201218	Normal	NSW_0908_PFASOMP	0.56	*13.9*	10.4	**24.3**	33.2	1.88	1.95	0.85	<0.02	0.3	0.44	2.63	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211403	Normal	NSW_0908_PFASOMP	0.50	*9.76*	7.92	**17.7**	24.9	1.51	1.44	0.59	<0.02	0.3	0.43	2.17	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211503	Normal	NSW_0908_PFASOMP	0.36	*5.83*	5.70	**11.5**	16.8	1.05	1.17	0.43	<0.02	0.2	0.26	1.64	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211603	Normal	NSW_0908_PFASOMP	0.37	*7.23*	6.95	**14.2**	19.8	1.16	1.29	0.44	<0.02	0.2	0.26	1.73	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211703	Normal	NSW_0908_PFASOMP	0.40	*6.55*	6.87	**13.4**	19.4	1.21	1.34	0.51	<0.02	0.2	0.27	1.81	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211803	Normal	NSW_0908_PFASOMP	0.44	*8.35*	7.57	**15.9**	22.2	1.36	1.32	0.49	<0.02	0.2	0.36	1.88	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211903	Normal	NSW_0908_PFASOMP	0.49	*9.66*	8.07	**17.7**	24.3	1.33	1.37	0.56	<0.02	0.2	0.34	2.05	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212003	Normal	NSW_0908_PFASOMP	0.48	*7.98*	8.20	**16.2**	23.1	1.40	1.68	0.55	<0.02	0.2	0.30	2.12	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212103	Normal	NSW_0908_PFASOMP	0.46	*8.31*	7.94	**16.2**	23.2	1.45	1.62	0.58	<0.02	0.2	0.29	2.09	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212203	Normal	NSW_0908_PFASOMP	0.52	*10.8*	10.3	**21.1**	28.7	1.48	1.85	0.72	<0.02	0.3	0.31	2.22	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212303	Normal	NSW_0908_PFASOMP	0.45	*9.05*	9.09	**18.1**	25.7	1.22	1.57	0.43	<0.02	0.3	0.80	2.46	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220003	Normal	NSW_0908_PFASOMP	0.44	*8.99*	9.68	**18.7**	26.1	1.24	1.62	0.44	<0.02	0.3	0.76	2.29	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220103	Normal	NSW_0908_PFASOMP	0.42	*8.62*	9.57	**18.2**	25.2	1.14	1.58	0.41	<0.02	0.3	0.70	2.16	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220203	Normal	NSW_0908_PFASOMP	0.52	*11.7*	8.34	**20.0**	27.0	1.59	1.34	0.64	<0.02	0.2	0.31	2.15	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220303	Normal	NSW_0908_PFASOMP	1.08	*17.9*	17.9	**35.8**	48.4	2.24	2.37	1.22	<0.02	0.4	0.56	4.26	0.50	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220403	Normal	NSW_0908_PFASOMP	0.81	*14.2*	14.6	**28.8**	40.4	1.52	2.27	0.67	<0.02	0.5	1.28	4.05	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220503	Normal	NSW_0908_PFASOMP	0.69	*12.7*	11.6	**24.3**	34.4	1.34	1.98	0.67	<0.02	0.4	1.11	3.45	0.46	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220603	Normal	NSW_0908_PFASOMP	0.54	*9.08*	8.28	**17.4**	24.8	0.92	1.41	0.49	<0.02	0.3	0.78	2.61	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220703	Normal	NSW_0908_PFASOMP	0.41	*7.38*	6.84	**14.2**	20.2	0.88	1.15	0.40	<0.02	0.2	0.61	2.08	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220803	Normal	NSW_0908_PFASOMP	0.48	*7.21*	8.34	**15.6**	22.4	1.32	1.55	0.58	<0.02	0.2	0.30	2.14	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220903	Normal	NSW_0908_PFASOMP	0.32	*7.66*	6.34	**14.0**	18.9	1.06	0.98	0.43	<0.02	0.2	0.28	1.46	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221003	Normal	NSW_0908_PFASOMP	0.29	*6.17*	5.49	**11.7**	16.0	0.96	0.86	0.34	<0.02	0.2	0.25	1.31	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SW060	22 Dec 2020	0908_SW060_2012221103	Normal	NSW_0908_PFASOMP	0.36	*7.37*	6.96	**14.3**	19.8	1.23	1.12	0.44	<0.02	0.2	0.31	1.60	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221203	Normal	NSW_0908_PFASOMP	0.40	*8.38*	7.68	**16.1**	22.0	1.28	1.25	0.49	<0.02	0.2	0.34	1.78	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221303	Normal	NSW_0908_PFASOMP	0.41	*8.58*	7.42	**16.0**	21.8	1.24	1.17	0.50	<0.02	0.2	0.34	1.76	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_QC104_210128	Field_D	NSW_0908_PFASOMP	0.30	*7.40*	4.50	**11.9**	15.8	0.76	0.78	0.39	<0.02	0.2	0.19	1.10	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_QC204_210128	Interlab_D	NSW_0908_PFASOMP	0.2	*4.3*	3.4	-	-	0.55	0.47	0.19	<0.01	0.12	0.14	0.7	0.09	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW060	28 Jan 2021	0908_SW060_2101281647	Normal	NSW_0908_PFASOMP	0.32	*7.59*	4.71	**12.3**	16.1	0.69	0.86	0.45	<0.02	0.1	0.18	1.09	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281747	Normal	NSW_0908_PFASOMP	0.26	*6.81*	4.28	**11.1**	14.2	0.58	0.65	0.34	<0.02	0.1	0.16	0.89	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281847	Normal	NSW_0908_PFASOMP	0.25	*6.20*	3.90	**10.1**	13.1	0.56	0.64	0.32	<0.02	0.1	0.14	0.86	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281947	Normal	NSW_0908_PFASOMP	0.29	*6.50*	4.30	**10.8**	14.3	0.64	0.75	0.38	<0.02	0.1	0.17	0.99	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282047	Normal	NSW_0908_PFASOMP	0.30	*6.72*	4.41	**11.1**	14.6	0.63	0.75	0.40	<0.02	0.1	0.17	0.99	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282147	Normal	NSW_0908_PFASOMP	0.34	*7.64*	5.26	**12.9**	16.9	0.76	0.87	0.48	<0.02	0.1	0.20	1.11	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282247	Normal	NSW_0908_PFASOMP	0.37	*8.60*	5.43	**14.0**	18.3	0.72	1.02	0.51	<0.02	0.1	0.20	1.20	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282347	Normal	NSW_0908_PFASOMP	0.42	*9.34*	6.30	**15.6**	20.6	0.78	1.08	0.63	<0.02	0.2	0.24	1.36	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_QC100_210129	Field_D	NSW_0908_PFASOMP	0.50	*12.8*	7.19	**20.0**	25.8	0.93	1.23	0.73	<0.02	0.2	0.32	1.71	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_210129	Normal	NSW_0908_PFASOMP	0.52	*12.1*	7.47	**19.6**	25.6	0.96	1.25	0.74	<0.02	0.2	0.35	1.81	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290047	Normal	NSW_0908_PFASOMP	0.48	*10.2*	6.72	**16.9**	22.4	0.83	1.29	0.68	<0.02	0.2	0.26	1.52	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290147	Normal	NSW_0908_PFASOMP	0.50	*12.0*	7.35	**19.4**	25.0	0.84	1.24	0.78	<0.02	0.2	0.28	1.53	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290247	Normal	NSW_0908_PFASOMP	0.51	*12.8*	7.53	**20.3**	26.3	0.88	1.40	0.81	<0.02	0.2	0.30	1.63	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290347	Normal	NSW_0908_PFASOMP	0.52	*12.7*	7.47	**20.2**	26.2	0.87	1.39	0.80	<0.02	0.2	0.30	1.63	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290447	Normal	NSW_0908_PFASOMP	0.57	*15.2*	8.09	**23.3**	29.8	0.92	1.46	0.90	<0.02	0.2	0.33	1.79	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290547	Normal	NSW_0908_PFASOMP	0.51	*12.3*	7.35	**19.6**	25.7	0.94	1.34	0.82	<0.02	0.2	0.31	1.66	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290647	Normal	NSW_0908_PFASOMP	0.60	*14.5*	7.88	**22.4**	28.9	0.99	1.48	0.84	<0.02	0.2	0.35	1.80	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290747	Normal	NSW_0908_PFASOMP	0.50	*13.4*	6.72	**20.1**	25.9	0.85	1.25	0.79	<0.02	0.2	0.31	1.61	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290847	Normal	NSW_0908_PFASOMP	0.52	*12.7*	7.74	**20.4**	26.3	0.90	1.25	0.76	<0.02	0.2	0.32	1.66	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290947	Normal	NSW_0908_PFASOMP	0.49	*12.2*	6.83	**19.0**	24.8	0.87	1.22	0.74	<0.02	0.2	0.31	1.64	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291047	Normal	NSW_0908_PFASOMP	0.52	*12.2*	6.84	**19.0**	25.0	0.88	1.32	0.77	<0.02	0.2	0.31	1.66	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291147	Normal	NSW_0908_PFASOMP	0.48	*10.6*	6.43	**17.0**	22.5	0.86	1.02	0.69	<0.02	0.2	0.28	1.75	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291247	Normal	NSW_0908_PFASOMP	0.53	*13.1*	7.16	**20.3**	26.6	0.92	1.25	0.78	<0.02	0.3	0.34	2.02	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291347	Normal	NSW_0908_PFASOMP	0.56	*12.6*	9.26	**21.9**	29.7	1.34	1.75	0.80	<0.02	0.3	0.39	2.38	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291447	Normal	NSW_0908_PFASOMP	0.44	*8.18*	6.72	**14.9**	21.1	1.13	1.01	0.58	<0.02	0.6	0.34	1.90	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291547	Normal	NSW_0908_PFASOMP	0.36	*9.16*	5.68	**14.8**	19.5	0.87	0.90	0.55	<0.02	0.2	0.22	1.37	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Feb 2021	0908_SW060_210219	Normal	NSW_0908_PFASOMP	0.95	*18.7*	10.4	**29.1**	40.2	1.42	1.78	1.46	<0.02	0.6	0.66	3.83	0.42	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	26 Mar 2021	0908_QC100_210326	Field_D	NSW_0908_PFASOMP	0.12	*4.28*	1.58	**5.86**	6.86	0.12	0.14	0.14	<0.02	<0.1	0.08	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	26 Mar 2021	0908_QC200_210326	Interlab_D	NSW_0908_PFASOMP	0.086	*2.8*	1.4	-	-	0.1	0.12	0.093	<0.01	0.063	0.067	0.26	0.039	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW060	26 Mar 2021	0908_SW060_210326	Normal	NSW_0908_PFASOMP	0.12	*4.26*	1.58	**5.84**	6.84	0.11	0.14	0.14	<0.02	<0.1	0.08	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	23 Apr 2021	0908_SW060_210423	Normal	NSW_0908_PFASOMP	0.62	*12.0*	8.75	**20.8**	26.6	0.64	0.98	0.64	<0.02	0.3	0.39	2.03	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	11 May 2021	0908_SW060_210511	Normal	NSW_0908_PFASOMP	0.59	*10.7*	6.08	**16.8**	21.6	0.53	0.68	0.62	<0.02	0.2	0.31	1.64	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	25 Jun 2021	0908_SW060_210625	Normal	NSW_0908_PFASOMP	0.79	*14.9*	8.06	**23.0**	29.0	0.63	0.96	0.78	<0.02	0.2	0.40	2.00	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	30 Jul 2021	0908_SW060_210730	Normal	NSW_0908_PFASOMP	0.69	*15.3*	6.94	**22.2**	27.6	0.58	0.64	0.69	<0.02	0.2	0.33	1.91	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Aug 2021	0908_SW060_210820	Normal	NSW_0908_PFASOMP	0.81	*10.5*	4.21	**14.7**	21.7	0.72	1.10	0.87	<0.02	0.3	0.47	2.43	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	27 Sep 2021	0908_SW060_210927	Normal	NSW_0908_PFASOMP	0.66	*13.0*	8.29	**21.3**	28.5	0.86	1.14	0.85	<0.02	<0.1	0.49	2.84	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	25 Oct 2021	0908_SW060_211025	Normal	NSW_0908_PFASOMP	0.85	*16.3*	8.41	**24.7**	34.2	1.07	1.42	0.94	<0.02	0.5	0.77	3.50	0.43	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	15 Nov 2021	0908_SW060_211115	Normal	NSW_0908_PFASOMP	0.62	*13.4*	8.04	**21.4**	29.7	1.22	1.14	0.63	<0.02	0.4	0.60	3.29	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	18 May 2022	0908_SW060_220518	Normal	NSW_0908_PFASOMP	0.31	*7.21*	3.90	**11.1**	14.1	0.35	0.50	0.35	<0.02	0.1	0.18	1.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Nov 2022	0908_QC109_221109	Field_D	NSW_0908_PFASOMP	0.62	*16.1*	7.12	**23.2**	28.9	0.61	0.68	0.75	<0.02	0.2	0.38	2.14	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Nov 2022	0908_QC209_221109	Interlab_D	NSW_0908_PFASOMP	0.57	*16*	6.0	**22**	27	0.60	0.72	0.62	<0.02	0.21	0.34	1.7	0.25	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW060	09 Nov 2022	0908_SW060_221109	Normal	NSW_0908_PFASOMP	0.60	*16.3*	6.90	**23.2**	28.6	0.56	0.92	0.71	<0.02	0.2	0.30	1.80	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	11 May 2023	0908_SW060_230511	Normal	NSW_0908_PFASOMP_23	0.79	*15.0*	13.4	**28.4**	38.7	1.66	2.32	0.80	<0.02	0.4	0.57	3.35	0.44	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				10			2																										
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SW060	23 Nov 2023	0908_SW060_231123	Normal	NSW_0908_PFASOMP_23	0.09	*1.20*	1.96	**3.16**	4.40	0.22	0.22	0.12	<0.02	<0.1	0.07	0.47	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Apr 2024	0908_SW060_240422	Normal	NSW_0908_PFASOMP_24	0.49	*9.73*	10.4	**20.1**	28.0	1.19	1.85	0.62	<0.02	0.4	0.44	2.15	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	17 Jun 2014	DD5_WATER	Normal	NSW_0908_PFAS	<0.01	*0.11*	0.41	0.52	-	0.15	-	-	<0.01	-	0.07	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW062	13 Jan 2016	DD5_SW_1312016	Normal	NSW_0908_PFAS	<0.002	*0.088*	-	0.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW062	14 Dec 2016	DD5_SW_161214	Normal	NSW_0908_PFAS	<0.05	*0.76*	0.8	1.56	2.06	0.1	0.18	<0.05	<0.05	<0.1	<0.05	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW062	12 Apr 2018	DD5_SW_12042018	Normal	NSW_0908_PFAS	0.09	*2.69*	1.21	**3.9**	4.64	0.11	0.12	0.09	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_DD5_SW_181207	Normal	NSW_0908_PFAS	0.1	*2.64*	1.35	**3.99**	4.86	0.13	0.14	0.1	<0.02	<0.1	0.08	0.26	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_QC110_SW_181207	Field_D	NSW_0908_PFAS	0.1	*2.35*	1.17	**3.52**	4.36	0.11	0.15	0.1	<0.02	<0.1	0.06	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_QC205_SW_181207	Interlab_D	NSW_0908_PFAS	0.07	*2*	1.1	**3.1**	-	0.091	0.098	0.061	<0.01	<0.05	0.071	0.19	0.047	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.021	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW062	13 Jun 2019	0908_DD5_SW_190613	Normal	NSW_0908_PFAS	0.03	*1.07*	0.53	1.6	1.97	0.08	0.1	0.04	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	06 Nov 2019	0908_DD5_SW_191106	Normal	NSW_0908_PFASOMP	0.06	*1.40*	0.78	**2.18**	2.91	0.11	0.14	0.05	<0.02	<0.1	0.09	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	02 Jun 2020	0908_SW062_200602	Normal	NSW_0908_PFASOMP	0.12	*2.63*	1.96	**4.59**	5.85	0.28	0.26	0.06	<0.02	<0.1	0.11	0.36	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	20 Nov 2020	0908_SW062_201120	Normal	NSW_0908_PFASOMP	<0.01	*0.12*	0.15	0.27	0.32	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	11 May 2021	0908_SW062_210511	Normal	NSW_0908_PFASOMP	0.09	*2.32*	1.47	**3.79**	4.91	0.12	0.14	0.10	<0.02	<0.1	0.13	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	17 Nov 2021	0908_QC211_211117	Interlab_D	NSW_0908_PFASOMP	<0.01	*0.05*	0.12	0.17	0.21	0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW062	17 Nov 2021	0908_SW062_211117	Normal	NSW_0908_PFASOMP	<0.01	*0.08*	0.13	0.21	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	16 May 2022	0908_SW062_220516	Normal	NSW_0908_PFASOMP	<0.01	*0.12*	0.22	0.34	0.41	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Nov 2022	0908_SW062_221107	Normal	NSW_0908_PFASOMP	<0.01	*0.13*	0.08	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	11 May 2023	0908_SW062_230511	Normal	NSW_0908_PFASOMP_23	<0.01	*0.12*	0.21	0.33	0.41	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	23 Nov 2023	0908_SW062_231123	Normal	NSW_0908_PFASOMP_23	0.52	*10.0*	8.46	**18.5**	26.6	1.08	1.10	0.70	<0.02	0.4	0.57	3.50	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	22 Apr 2024	0908_SW062_240422	Normal	NSW_0908_PFASOMP_24	0.03	*0.82*	0.72	1.54	2.02	0.07	0.10	0.04	<0.02	<0.1	0.06	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	14 Jan 2016	TC2_SW_1412016	Normal	NSW_0908_PFAS	0.008	*0.11*	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW079	14 Dec 2016	TC2_SW_161214	Normal	NSW_0908_PFAS	0.03	*0.52*	0.88	1.4	1.78	0.11	0.1	0.05	<0.02	<0.1	<0.02	0.05	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	02 Feb 2017	TC2_SW_020217	Normal	NSW_0908_PFAS	<0.05	*1.34*	0.35	1.69	1.69	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
SW079	09 Feb 2017	TC2_SW_090217	Normal	NSW_0908_PFAS	<0.05	*0.4*	0.78	1.18	1.39	0.1	0.06	<0.05	<0.05	<0.2	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	16 Feb 2017	TC2_SW_16022017	Normal	NSW_0908_PFAS	<0.05	*0.22*	0.38	0.6	1.07	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	24 Feb 2017	TC2_SW_240217	Normal	NSW_0908_PFAS	<0.05	*0.26*	0.36	0.62	0.96	0.1	0.08	<0.05	<0.05	<0.2	0.06	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	03 Mar 2017	TC2_SW_030317	Normal	NSW_0908_PFAS	<0.05	*0.44*	0.32	0.76	0.82	0.06	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	09 Mar 2017	TC2_SW_090317	Normal	NSW_0908_PFAS	<0.01	*0.12*	0.06	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 Mar 2017	TC2_SW_20170316	Normal	NSW_0908_PFAS	<0.01	*0.06*	0.04	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	23 Mar 2017	TC2_SW_23032017	Normal	NSW_0908_PFAS	<0.01	*0.17*	0.49	0.66	0.83	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	30 Mar 2017	TC2_SW_300317	Normal	NSW_0908_PFAS	<0.01	*0.21*	0.52	0.73	0.93	0.06	0.07	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	05 Apr 2017	TC2_SW_050417	Normal	NSW_0908_PFAS	0.02	*0.15*	0.65	0.8	0.97	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	04 May 2017	TC2_SW_040517	Normal	NSW_0908_PFAS	<0.01	*0.18*	0.53	0.71	-	0.04	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	01 Jun 2017	TC2_SW_010617	Normal	NSW_0908_PFAS	<0.01	*0.24*	0.61	0.85	0.93	0.03	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	20 Jul 2017	TC2_SW_200717	Normal	NSW_0908_PFAS	<0.01	*0.15*	0.5	0.65	0.81	0.03	0.05	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	12 Apr 2018	TC2_SW_12042018	Normal	NSW_0908_PFAS	0.02	*0.29*	0.49	0.78	0.96	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	06 Dec 2018	0908_TC2_SW_181206	Normal	NSW_0908_PFAS	0.02	*0.53*	0.38	0.91	1.13	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	13 Jun 2019	0908_TC2_SW_190613	Normal	NSW_0908_PFAS	<0.01	*0.22*	0.25	0.47	0.57	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	05 Nov 2019	0908_TC2_SW_191105	Normal	NSW_0908_PFASOMP	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	02 Jun 2020	0908_SW079_200602	Normal	NSW_0908_PFASOMP	<0.01	*0.12*	0.50	0.62	0.81	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	26 Nov 2020	0908_SW079_201126	Normal	NSW_0908_PFASOMP	<0.01	*0.28*	0.24	0.52	0.61	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	11 May 2021	0908_SW079_210511	Normal	NSW_0908_PFASOMP	0.01	*0.21*	0.32	0.53	0.67	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	12 Nov 2021	0908_SW079_211112	Normal	NSW_0908_PFASOMP	<0.01	*0.23*	0.17	0.40	0.49	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 May 2022	0908_SW079_220516	Normal	NSW_0908_PFASOMP	0.01	*0.40*	0.37	0.77	0.93	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	07 Nov 2022	0908_SW079_221107	Normal	NSW_0908_PFASOMP	<0.01	*0.35*	0.19	0.54	0.66	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	09 May 2023	0908_SW079_230509	Normal	NSW_0908_PFASOMP_23	<0.01	*0.21*	0.27	0.48	0.61	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	21 Nov 2023	0908_QC102_231121	Field_D	NSW_0908_PFASOMP_23	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				10			2																										
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SW079	21 Nov 2023	0908_QC202_231121	Interlab_D	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW079	21 Nov 2023	0908_SW079_231121	Normal	NSW_0908_PFASOMP_23	0.02	*0.46*	0.33	0.79	1.03	0.03	0.03	0.02	<0.02	<0.1	0.03	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 Apr 2024	0908_SW079_240416	Normal	NSW_0908_PFASOMP_24	0.01	*0.23*	0.51	0.74	0.96	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	13 Jan 2016	TFD1_SW_1312016	Normal	NSW_0908_PFAS	<0.002	*0.007*	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW081	14 Dec 2016	TFD1_SW_161214	Normal	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW081	06 Dec 2018	0908_TFD1_SW_181206	Normal	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	NSW_0908_PFAS	<0.01	*0.1*	<0.02	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	NSW_0908_PFAS	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW081	05 Nov 2019	0908_QC105_191105	Field_D	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	05 Nov 2019	0908_QC205_191105	Interlab_D	NSW_0908_PFASOMP	<0.01	*0.031*	0.016	-	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW081	05 Nov 2019	0908_TFD1_SW_191105	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	02 Jun 2020	0908_SW081_200602	Normal	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Nov 2020	0908_SW081_201112	Normal	NSW_0908_PFASOMP	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	11 May 2021	0908_SW081_210511	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	30 Nov 2021	0908_SW081_211130	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	16 May 2022	0908_SW081_220516	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	08 Nov 2022	0908_SW081_221108	Normal	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	11 May 2023	0908_SW081_230511	Normal	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	23 Nov 2023	0908_SW081_231123	Normal	NSW_0908_PFASOMP_23	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	23 Apr 2024	0908_SW081_240423	Normal	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.11	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	23 Jun 2014	LC1_WATER	Normal	NSW_0908_PFAS	0.13	*0.25*	0.67	0.92	-	0.07	-	-	<0.01	-	0.04	0.35	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW108	20 Nov 2015	LC_SW_20112015	Normal	NSW_0908_PFAS	0.236	*13.4*	-	**13.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	-
SW108	14 Jan 2016	LC_SW_1412016	Normal	NSW_0908_PFAS	0.191	*10.6*	-	**10.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-
SW108	14 Sep 2016	LC_140916	Normal	NSW_0908_PFAS	0.12	*11*	1.2	**12.2**	-	0.072	0.11	0.12	<0.01	<0.5	0.081	0.3	0.038	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.013	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
SW108	16 Dec 2016	LC_SW_161216	Normal	NSW_0908_PFAS	0.1	*8.76*	1.48	**10.2**	11.1	0.12	0.12	0.14	<0.02	<0.1	0.07	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	16 Dec 2016	LC_SW_161216	Normal	NSW_0908_PFAS	-	-	-	**10.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	03 Feb 2017	LC_SW_030217	Normal	NSW_0908_PFAS	0.1	*7.97*	0.77	**8.74**	9.53	0.06	0.09	0.04	<0.02	<0.1	<0.02	0.46	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Feb 2017	QC405_SW_030217	Field_D	NSW_0908_PFAS	0.11	*9.13*	1.14	**10.27**	11.3	0.07	0.09	0.05	<0.02	<0.1	0.13	0.55	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Feb 2017	QC405_SW_030217	Field_D	NSW_0908_PFAS	-	-	-	**10.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	10 Feb 2017	LC_SW_100217	Normal	NSW_0908_PFAS	0.12	*4.85*	1.43	**6.28**	7.72	0.11	0.14	0.13	<0.05	<0.2	0.36	0.5	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW108	10 Feb 2017	QC406_SW_100217	Field_D	NSW_0908_PFAS	0.1	*4.55*	1.38	**5.93**	7.28	0.11	0.14	0.12	<0.05	<0.2	0.32	0.48	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW108	10 Feb 2017	QC505_SW_100217	Interlab_D	NSW_0908_PFAS	-	-	-	**3.91**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	17 Feb 2017	LC_SW_17022017	Normal	NSW_0908_PFAS	0.11	*6.28*	1.4	**7.68**	8.9	0.12	0.12	0.09	<0.02	<0.1	0.16	0.56	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	24 Feb 2017	LC_SW_240217	Normal	NSW_0908_PFAS	0.09	*3.23*	1.2	**4.43**	5.46	0.1	0.1	0.06	<0.02	<0.1	0.16	0.49	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Mar 2017	LC_SW_030317	Normal	NSW_0908_PFAS	0.07	*2.8*	0.9	**3.7**	4.51	<0.02	0.06	0.05	<0.02	<0.1	0.15	0.46	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Mar 2017	LC_SW_100317	Normal	NSW_0908_PFAS	0.08	*4.01*	0.89	**4.9**	5.76	0.05	0.07	0.05	<0.02	<0.1	0.13	0.4	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	17 Mar 2017	LC_SW_20170317	Normal	NSW_0908_PFAS	0.06	*3.67*	1.08	**4.75**	5.56	0.07	0.08	0.06	<0.02	<0.1	0.12	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	23 Mar 2017	LC_SW_220317	Normal	NSW_0908_PFAS	0.06	*2.38*	0.86	**3.24**	3.97	0.05	0.07	0.05	<0.02	<0.1	0.11	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	31 Mar 2017	LC_SW_310317	Normal	NSW_0908_PFAS	0.06	*3.28*	0.89	**4.17**	4.76	0.04	0.06	0.04	<0.02	<0.1	0.11	0.26	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	LC_SW_070417	Normal	NSW_0908_PFAS	0.08	*3.14*	1.17	**4.31**	5.04	0.06	0.08	0.06	<0.02	<0.1	0.13	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	QC416_SW_070417	Field_D	NSW_0908_PFAS	0.08	*3.42*	1.21	**4.63**	5.35	0.06	0.09	0.06	<0.02	<0.1	0.12	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	QC516_SW_070417	Interlab_D	NSW_0908_PFAS	0.054	*2.6*	0.77	**3.37**	-	0.045	-	-	<0.02	0.057	0.13	0.27	0.032	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW108	05 May 2017	LC_SW_050517	Normal	NSW_0908_PFAS	0.08	*4.64*	1.54	**6.18**	-	0.06	0.11	0.09	<0.02	<0.1	<0.02	0.3	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	02 Jun 2017	LC_SW_020617	Normal	NSW_0908_PFAS	0.07	*3.47*	1.06	**4.53**	5.42	0.08	0.08	0.05	<0.02	<0.1	0.18	0.3	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	21 Jul 2017	LC_SW_210717	Normal	NSW_0908_PFAS	0.07	*5.29*	0.99	**6.28**	6.85	0.04	0.07	0.06	<0.02	<0.1	0.1	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	12 Apr 2018	LC_SW_13042018	Normal	NSW_0908_PFAS	0.09	*4.8*	0.92	**5.72**	6.48	0.04	0.07	0.06	<0.02	<0.1	0.12	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																															
SW108	07 Dec 2018	0908_LC_SW_181207	Normal	NSW_0908_PFAS		0.1	*4.85*	0.92	**5.77**	6.72	0.05	0.07	0.07	<0.02	<0.1	0.21	0.4	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	14 Jun 2019	0908_LC_SW_190614	Normal	NSW_0908_PFAS		0.07	*4.11*	0.8	**4.91**	5.85	0.04	0.06	0.06	<0.02	<0.1	0.12	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.32	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	06 Nov 2019	0908_LC_SW_191106	Normal	NSW_0908_PFASOMP		0.10	*4.48*	1.28	**5.76**	7.28	0.11	0.08	0.08	<0.02	<0.1	0.19	0.58	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	22 May 2020	0908_SW108_200522	Normal	NSW_0908_PFASOMP		0.08	*5.80*	0.92	**6.72**	7.84	0.06	0.07	0.08	<0.02	<0.1	0.13	0.29	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.35	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	27 Nov 2020	0908_SW108_201127	Normal	NSW_0908_PFASOMP		0.16	*8.73*	1.98	**10.7**	12.1	0.06	0.11	0.13	<0.02	<0.1	0.21	0.54	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	11 May 2021	0908_SW108_210511	Normal	NSW_0908_PFASOMP		0.10	*6.34*	1.14	**7.48**	8.28	0.04	0.07	0.08	<0.02	<0.1	0.10	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	16 Nov 2021	0908_SW108_211116	Normal	NSW_0908_PFASOMP		0.09	*4.73*	1.03	**5.76**	6.71	0.06	0.07	0.06	<0.02	<0.1	0.10	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	19 May 2022	0908_QC110_220519	Field_D	NSW_0908_PFASOMP		0.08	*6.98*	0.79	**7.77**	8.41	0.03	0.06	0.06	<0.02	<0.1	0.07	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	19 May 2022	0908_SW108_220519	Normal	NSW_0908_PFASOMP		0.09	*7.71*	0.89	**8.60**	9.30	0.03	0.06	0.07	<0.02	<0.1	0.07	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Nov 2022	0908_QC114_221110	Field_D	NSW_0908_PFASOMP		0.08	*4.00*	1.13	**5.13**	5.73	0.05	0.07	0.08	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Nov 2022	0908_QC214_221110	Interlab_D	NSW_0908_PFASOMP		0.08	*4.2*	0.98	**5.2**	5.8	0.09	0.07	0.09	<0.02	<0.02	0.05	0.18	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW108	10 Nov 2022	0908_SW108_221110	Normal	NSW_0908_PFASOMP		0.10	*4.48*	1.00	**5.48**	6.12	0.05	0.09	0.09	<0.02	<0.1	0.05	0.21	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 May 2023	0908_SW108_230510	Normal	NSW_0908_PFASOMP_23		0.11	*10.6*	1.10	**11.7**	12.6	0.06	0.08	0.12	<0.02	<0.1	0.11	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	22 Nov 2023	0908_SW108_231122	Normal	NSW_0908_PFASOMP_23		0.08	*5.54*	0.83	**6.37**	6.86	0.03	0.04	0.06	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	18 Apr 2024	0908_SW108_240418	Normal	NSW_0908_PFASOMP_24		0.05	*3.12*	0.67	**3.79**	4.20	0.03	0.05	0.04	<0.02	<0.1	0.06	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	LC_B_SW_161216	Normal	NSW_0908_PFAS		0.1	*9.46*	1.43	**10.89**	11.8	0.12	0.13	0.12	<0.02	<0.1	0.08	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	LC_B_SW_161216	Normal	NSW_0908_PFAS		-	-	-	**10.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW110	16 Dec 2016	QC402_SW_161216	Field_D	NSW_0908_PFAS		0.12	*9.82*	1.58	**11.4**	12.3	0.13	0.11	0.12	<0.02	<0.1	0.08	0.37	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	QC502_WS_161216	Interlab_D	NSW_0908_PFAS		0.087	*14*	1.2	**15.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SW110	12 Apr 2018	LC_B_SW_13042018	Normal	NSW_0908_PFAS		0.08	*3.46*	0.81	**4.27**	4.89	0.04	0.05	0.05	<0.02	<0.1	0.12	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	07 Dec 2018	0908_LC_B_SW_181207	Normal	NSW_0908_PFAS		0.1	*5.41*	0.91	**6.32**	7.29	0.05	0.07	0.07	<0.02	<0.1	0.22	0.41	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_LC_B_SW_190614	Normal	NSW_0908_PFAS		0.05	*1.64*	0.6	**2.24**	2.88	0.04	0.06	0.04	<0.02	<0.1	0.1	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_QC121_190614	Field_D	NSW_0908_PFAS		0.06	*1.9*	0.78	**2.68**	3.48	0.04	0.06	0.04	<0.02	<0.1	0.12	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_QC221_190614	Interlab_D	NSW_0908_PFAS		0.057	*1.7*	0.72	**2.42**	-	0.046	0.051	0.033	<0.01	0.056	0.12	0.23	0.044	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.16	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW110	06 Nov 2019	0908_LC_B_SW_191106	Normal	NSW_0908_PFASOMP		0.09	*3.39*	1.04	**4.43**	5.62	0.08	0.05	0.07	<0.02	<0.1	0.15	0.46	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	22 May 2020	0908_SW110_200522	Normal	NSW_0908_PFASOMP		0.08	*4.42*	1.00	**5.42**	6.44	0.06	0.08	0.07	<0.02	<0.1	0.13	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	27 Nov 2020	0908_SW110_201127	Normal	NSW_0908_PFASOMP		0.16	*12.3*	1.96	**14.3**	16.7	0.07	0.10	0.13	0.92	<0.1	0.20	0.57	0.07	<0.02	<0.02	0.03	0.04	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.09	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	11 May 2021	0908_SW110_210511	Normal	NSW_0908_PFASOMP		0.10	*5.24*	1.10	**6.34**	7.14	0.05	0.07	0.08	<0.02	<0.1	0.09	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Nov 2021	0908_SW110_211116	Normal	NSW_0908_PFASOMP		0.09	*5.96*	0.96	**6.92**	7.87	0.07	0.07	0.05	<0.02	<0.1	0.10	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	19 May 2022	0908_SW110_220519	Normal	NSW_0908_PFASOMP		0.08	*5.33*	0.86	**6.19**	6.86	0.03	0.06	0.06	<0.02	<0.1	0.08	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	10 Nov 2022	0908_SW110_221110	Normal	NSW_0908_PFASOMP		0.09	*5.41*	1.08	**6.49**	7.08	0.04	0.06	0.09	<0.02	<0.1	0.05	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	10 May 2023	0908_SW110_230510	Normal	NSW_0908_PFASOMP_23		0.11	*8.55*	1.13	**9.68**	10.5	0.05	0.08	0.11	<0.02	<0.1	0.10	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	22 Nov 2023	0908_SW110_231122	Normal	NSW_0908_PFASOMP_23		0.11	*7.61*	1.13	**8.74**	9.47	0.04	0.06	0.09	<0.02	<0.1	0.07	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	18 Apr 2024	0908_SW110_240418	Normal	NSW_0908_PFASOMP_24		0.05	*2.74*	0.59	**3.33**	3.69	0.02	0.04	0.03	<0.02	<0.1	0.06	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	17 Feb 2017	FCD4_SW_17022017	Normal	NSW_0908_PFAS		<0.05	*0.08*	<0.05	0.08	0.08	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	24 Feb 2017	FCD4_SW_240217	Normal	NSW_0908_PFAS		<0.05	*0.38*	0.1	0.48	0.48	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	03 Mar 2017	FCD4_SW_030317	Normal	NSW_0908_PFAS		<0.05	*0.15*	<0.05	0.15	1.39	<0.05	<0.05	<0.05	<0.05	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	10 Mar 2017	FCD4_SW_100317	Normal	NSW_0908_PFAS		<0.05	*0.39*	0.22	0.61	0.68	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	0.07	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	16 Mar 2017	FCD4_SW_20170316	Normal	NSW_0908_PFAS		<0.05	*0.33*	0.24	0.57	0.57	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	24 Mar 2017	FCD4_SW_24/3/17	Normal	NSW_0908_PFAS		<0.01	*0.28*	0.31	0.59	0.75	0.06	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	FCD4_SW_310317	Normal	NSW_0908_PFAS		0.02	*0.42*	0.44	0.86	1.12	0.06	0.07	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	QC415_SW_310317	Field_D	NSW_0908_PFAS		0.02	*0.4*	0.44	0.84	1.08	0.06	0.06	0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	QC515_SW_310317	Interlab_D	NSW_0908_PFAS		0.022	*0.39*	0.52	0.91	-	0.064	-	-	<0.02	<0.05	<0.02	0.095	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW259	07 Apr 2017	FCD4_SW_070417	Normal	NSW_0908_PFAS		0.04	*0.56*	1.1	1.66	2.18	0.15	0.14	0.04	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	02 Jun 2017	FCD4_SW_020617	Normal	NSW_0908_PFAS		0.01	*0.67*	1.62	**2.29**	2.64	0.1	0.14	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Jul 2017	FCD4_SW_210717	Normal	NSW_0908_PFAS		0.1	*1.97*	1.44	**3.41**	4.22	0.11	0.15	0.1	<0.02	<0.1	0.05	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	12 Apr 2018	FCD4_SW_13042018	Normal	NSW_0908_PFAS		0.04	*0.8*	0.82	1.62	2.03	0.09	0.08	0.03	<0.02	<0.1	0.03	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	07 Dec 2018	0908_FCD4_SW_181207	Normal	NSW_0908_PFAS		0.01	*0.24*	0.2	0.44	0.55	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SW259	14 Jun 2019	0908_FCD4_SW_190614	Normal	NSW_0908_PFAS	<0.05	*0.26*	0.56	0.82	1.02	0.1	0.1	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	08 Nov 2019	0908_FCD4_SW_191108	Normal	NSW_0908_PFASOMP	<0.05	*0.84*	0.91	1.75	2.09	0.10	0.12	<0.05	<0.05	<0.2	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	25 May 2020	0908_SW259_200525	Normal	NSW_0908_PFASOMP	0.02	*0.30*	0.66	0.96	1.40	0.11	0.12	0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	13 Nov 2020	0908_SW259_201113	Normal	NSW_0908_PFASOMP	0.06	*1.63*	1.03	**2.66**	3.31	0.08	0.12	0.06	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	18 Dec 2020	0908_SW259_201218	Normal	NSW_0908_PFASOMP	<0.01	*0.13*	0.12	0.25	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211601	Normal	NSW_0908_PFASOMP	0.02	*0.57*	0.59	1.16	1.46	0.05	0.06	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211701	Normal	NSW_0908_PFASOMP	0.02	*0.57*	0.58	1.15	1.45	0.06	0.06	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211801	Normal	NSW_0908_PFASOMP	0.02	*0.46*	0.48	0.94	1.19	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211901	Normal	NSW_0908_PFASOMP	0.02	*0.42*	0.41	0.83	1.06	0.04	0.05	0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212001	Normal	NSW_0908_PFASOMP	0.01	*0.35*	0.32	0.67	0.80	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212101	Normal	NSW_0908_PFASOMP	0.01	*0.29*	0.28	0.57	0.68	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212201	Normal	NSW_0908_PFASOMP	0.02	*0.40*	0.39	0.79	0.98	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212301	Normal	NSW_0908_PFASOMP	0.01	*0.36*	0.35	0.71	0.85	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220001	Normal	NSW_0908_PFASOMP	0.02	*0.46*	0.53	0.99	1.26	0.05	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220101	Normal	NSW_0908_PFASOMP	0.02	*0.48*	0.67	1.15	1.46	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220201	Normal	NSW_0908_PFASOMP	0.03	*0.65*	0.63	1.28	1.60	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220301	Normal	NSW_0908_PFASOMP	0.02	*0.58*	0.66	1.24	1.58	0.06	0.07	0.04	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220401	Normal	NSW_0908_PFASOMP	0.02	*0.45*	0.51	0.96	1.21	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220501	Normal	NSW_0908_PFASOMP	0.02	*0.53*	0.50	1.03	1.26	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220601	Normal	NSW_0908_PFASOMP	0.03	*0.48*	0.80	1.28	1.67	0.07	0.08	0.04	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220701	Normal	NSW_0908_PFASOMP	0.03	*0.51*	0.71	1.22	1.57	0.06	0.07	0.03	<0.02	<0.1	0.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220801	Normal	NSW_0908_PFASOMP	0.03	*0.58*	0.81	1.39	1.81	0.07	0.08	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220901	Normal	NSW_0908_PFASOMP	0.02	*0.36*	0.58	0.94	1.22	0.05	0.06	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221001	Normal	NSW_0908_PFASOMP	0.02	*0.42*	0.44	0.86	1.05	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221101	Normal	NSW_0908_PFASOMP	0.04	*0.71*	0.97	1.68	2.18	0.09	0.10	0.04	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221201	Normal	NSW_0908_PFASOMP	0.04	*0.68*	0.97	1.65	2.14	0.09	0.10	0.04	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221301	Normal	NSW_0908_PFASOMP	0.03	*0.51*	0.87	1.38	1.82	0.08	0.09	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221401	Normal	NSW_0908_PFASOMP	0.03	*0.62*	0.80	1.42	1.86	0.08	0.09	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221501	Normal	NSW_0908_PFASOMP	0.03	*0.53*	0.63	1.16	1.48	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_210129	Normal	NSW_0908_PFASOMP	0.03	*0.63*	0.44	1.07	1.36	0.04	0.04	0.03	<0.02	<0.1	0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291630	Normal	NSW_0908_PFASOMP	0.05	*1.74*	1.16	**2.90**	3.49	0.08	0.11	0.08	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291730	Normal	NSW_0908_PFASOMP	0.05	*1.31*	0.93	**2.24**	2.81	0.08	0.10	0.06	<0.02	<0.1	0.04	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291830	Normal	NSW_0908_PFASOMP	0.05	*1.04*	0.76	1.80	2.29	0.07	0.08	0.05	<0.02	<0.1	0.04	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291930	Normal	NSW_0908_PFASOMP	0.04	*0.91*	0.64	1.55	1.96	0.06	0.07	0.04	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292030	Normal	NSW_0908_PFASOMP	0.04	*0.95*	0.65	1.60	2.02	0.06	0.07	0.04	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292130	Normal	NSW_0908_PFASOMP	0.04	*1.10*	0.69	1.79	2.23	0.06	0.07	0.05	<0.02	<0.1	0.03	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292230	Normal	NSW_0908_PFASOMP	0.04	*1.07*	0.68	1.75	2.18	0.06	0.07	0.05	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292330	Normal	NSW_0908_PFASOMP	0.03	*0.95*	0.61	1.56	1.94	0.05	0.06	0.04	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300030	Normal	NSW_0908_PFASOMP	0.02	*0.70*	0.45	1.15	1.41	0.04	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300130	Normal	NSW_0908_PFASOMP	0.02	*0.62*	0.40	1.02	1.23	0.03	0.04	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300230	Normal	NSW_0908_PFASOMP	0.03	*0.67*	0.48	1.15	1.45	0.04	0.06	0.03	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300330	Normal	NSW_0908_PFASOMP	0.03	*0.83*	0.57	1.40	1.79	0.06	0.07	0.04	<0.02	<0.1	0.03	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300430	Normal	NSW_0908_PFASOMP	0.03	*0.69*	0.63	1.32	1.68	0.06	0.06	0.03	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300530	Normal	NSW_0908_PFASOMP	0.04	*0.96*	0.80	1.76	2.28	0.09	0.09	0.05	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300630	Normal	NSW_0908_PFASOMP	0.02	*0.46*	0.38	0.84	1.09	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300730	Normal	NSW_0908_PFASOMP	0.06	*1.00*	1.16	**2.16**	2.87	0.10	0.13	0.07	<0.02	<0.1	0.05	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300830	Normal	NSW_0908_PFASOMP	0.06	*0.95*	1.16	**2.11**	2.80	0.10	0.13	0.06	<0.02	<0.1	0.05	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300930	Normal	NSW_0908_PFASOMP	0.05	*0.83*	1.01	1.84	2.45	0.09	0.11	0.06	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Surface Water Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoaceiic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR				0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water				10			2																										
PFAS NEMP 2020 Freshwater 99%				*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SW259	30 Jan 2021	0908_SW259_2101301030	Normal	NSW_0908_PFASOMP	0.05	*0.96*	1.10	**2.06**	2.71	0.10	0.12	0.07	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301130	Normal	NSW_0908_PFASOMP	0.06	*1.01*	1.15	**2.16**	2.85	0.10	0.13	0.06	<0.02	<0.1	0.05	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301230	Normal	NSW_0908_PFASOMP	0.06	*0.93*	1.13	**2.06**	2.71	0.09	0.11	0.06	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301330	Normal	NSW_0908_PFASOMP	0.04	*0.83*	0.85	1.68	2.17	0.07	0.09	0.05	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301430	Normal	NSW_0908_PFASOMP	0.04	*0.75*	0.77	1.52	1.97	0.06	0.08	0.04	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301530	Normal	NSW_0908_PFASOMP	0.05	*0.90*	0.84	1.74	2.25	0.07	0.09	0.05	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	19 Feb 2021	0908_SW259_210219	Normal	NSW_0908_PFASOMP	0.05	*1.21*	0.92	**2.13**	2.70	0.09	0.08	0.06	<0.02	<0.1	0.05	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	26 Mar 2021	0908_SW259_210326	Normal	NSW_0908_PFASOMP	0.02	*0.43*	0.26	0.69	0.81	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2021	0908_QC100_210423	Field_D	NSW_0908_PFASOMP	0.09	*2.94*	1.19	**4.13**	4.84	0.07	0.10	0.06	<0.02	<0.1	0.08	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2021	0908_QC200_210423	Interlab_D	NSW_0908_PFASOMP	0.064	*2.4*	0.87	-	-	0.058	0.068	0.036	<0.01	<0.05	0.06	0.18	0.035	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.027	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW259	23 Apr 2021	0908_SW259_210423	Normal	NSW_0908_PFASOMP	0.04	*0.76*	0.58	1.34	1.70	0.04	0.06	0.04	<0.02	<0.1	0.02	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	10 May 2021	0908_SW259_210510	Normal	NSW_0908_PFASOMP	0.05	*0.85*	0.58	1.43	1.79	0.06	0.06	0.04	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	25 Jun 2021	0908_SW259_210625	Normal	NSW_0908_PFASOMP	0.06	*1.11*	0.86	1.97	2.51	0.07	0.09	0.05	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jul 2021	0908_SW259_210730	Normal	NSW_0908_PFASOMP	0.06	*1.25*	0.76	**2.01**	2.52	0.06	0.07	0.06	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	20 Aug 2021	0908_SW259_210820	Normal	NSW_0908_PFASOMP	0.05	*0.88*	0.70	1.58	2.05	0.06	0.08	0.05	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 Sep 2021	0908_SW259_210927	Normal	NSW_0908_PFASOMP	0.05	*1.32*	0.78	**2.10**	2.71	0.09	0.10	0.05	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	25 Oct 2021	0908_SW259_211025	Normal	NSW_0908_PFASOMP	0.08	*1.32*	1.00	**2.32**	3.08	0.10	0.12	0.07	<0.02	<0.1	0.06	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	26 Nov 2021	0908_SW259_211126	Normal	NSW_0908_PFASOMP	0.03	*0.66*	0.53	1.19	1.62	0.08	0.06	0.03	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 May 2022	0908_SW259_220527	Normal	NSW_0908_PFASOMP	0.04	*0.85*	0.43	1.28	1.54	0.03	0.04	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	15 Nov 2022	0908_SW259_221115	Normal	NSW_0908_PFASOMP	0.06	*1.20*	0.78	1.98	2.47	0.06	0.08	0.05	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	16 May 2023	0908_SW259_230516	Normal	NSW_0908_PFASOMP_23	0.04	*0.82*	0.87	1.69	2.12	0.08	0.09	0.05	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 Nov 2023	0908_SW259_231127	Normal	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2024	0908_SW259_240423	Normal	NSW_0908_PFASOMP_24	0.02	*0.39*	0.49	0.88	1.17	0.06	0.07	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	16 Dec 2020	0908_SW333_201216	Normal	NSW_0908_PFASMGMT	0.31	*1.49*	4.76	**6.25**	10.9	0.78	0.99	0.32	<0.02	0.2	0.30	1.60	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	22 Apr 2024	0908_SW333_240422	Normal	NSW_0908_PFASOMP_24	0.04	*0.37*	1.10	1.47	2.17	0.12	0.18	0.06	<0.02	<0.1	0.03	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	23 Apr 2021	0908_SW582_210423	Normal	NSW_0908_PFASMGMT	0.13	*4.75*	1.67	**6.42**	7.36	0.05	0.11	0.14	<0.02	<0.1	0.08	0.37	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	08 Jul 2021	0908_QC100_210708	Field_D	NSW_0908_PFASMGMT	0.08	*4.15*	0.90	**5.05**	5.61	0.05	0.07	0.08	<0.02	<0.1	0.06	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	08 Jul 2021	0908_QC200_210708	Interlab_D	NSW_0908_PFASMGMT	0.07	*4.2*	0.99	**5.1**	5.7	0.05	0.06	0.1	<0.02	0.05	0.05	0.15	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW582	08 Jul 2021	0908_SW582_210708	Normal	NSW_0908_PFASMGMT	0.08	*5.09*	0.94	**6.03**	6.61	0.05	0.08	0.08	<0.02	<0.1	0.06	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	14 Sep 2021	0908_SW582_210914	Normal	NSW_0908_PFASMGMT	<0.01	*0.08*	<0.02	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	13 Jul 2022	0908_SW582_220713	Normal	NSW_0908_PFASMGMT	0.09	*7.48*	0.86	**8.34**	8.87	0.05	0.06	0.07	<0.02	<0.1	0.06	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	12 Aug 2022	0908_SW582_220812	Normal	NSW_0908_PFASMGMT	0.01	*0.43*	0.16	0.59	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	24 Apr 2024	0908_SW582_240424	Normal	NSW_0908_PFASOMP_24	0.06	*3.78*	0.64	**4.42**	4.80	0.03	0.05	0.05	<0.02	<0.1	0.03	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	23 Apr 2021	0908_SW588_210423	Normal	NSW_0908_PFASMGMT	0.15	*8.07*	2.67	**10.7**	12.3	0.21	0.32	0.25	<0.02	<0.1	0.09	0.50	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	08 Jul 2021	0908_SW588_210708	Normal	NSW_0908_PFASMGMT	0.12	*9.18*	1.67	**10.8**	12.2	0.18	0.24	0.17	<0.02	<0.1	0.08	0.47	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	14 Sep 2021	0908_SW588_210914	Normal	NSW_0908_PFASMGMT	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	13 Jul 2022	0908_SW588_220713	Normal	NSW_0908_PFASMGMT	0.01	*0.54*	0.09	0.63	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	25 Nov 2022	0908_SW600_221125	Normal	NSW_0908_PFASOMP	0.06	*1.42*	0.69	**2.11**	2.65	0.06	0.07	0.05	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	15 May 2023	0908_SW600_230515	Normal	NSW_0908_PFASOMP_23	0.06	*1.36*	1.24	**2.60**	3.37	0.15	0.16	0.07	<0.02	<0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	27 Nov 2023	0908_SW600_231127	Normal	NSW_0908_PFASOMP_23	0.02	*0.40*	0.28	0.68	0.83	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	22 Apr 2024	0908_SW600_240422	Normal	NSW_0908_PFASOMP_24	0.06	*1.30*	1.35	**2.65**	3.63	0.16	0.22	0.08	<0.02	<0.1	0.06	0.30	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD001	18 Jun 2014	MD1_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.17	<0.005	0.17	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD001	13 Jan 2016	MD1_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0015	-	0.0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD001	14 Dec 2016	MD1_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.0774	0.0143	0.0917	0.103	0.0013	0.0015	0.002	<0.0002	<0.001	<0.0002	0.002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0036	<0.0005	0.0003	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	<0.0002	0.096	0.0213	0.117	0.133	0.0015	0.0022	0.0019	<0.0002	<0.001	<0.0002	0.0049	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0045	<0.0005	0.0005	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	-	-	-	0.1173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	14 Dec 2016	QC701_20161214	Interlab_D	NSW_0908_PFAS	0.0031	0.076	0.0065	0.0825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-	-	-
SD001	12 Apr 2018	MD1_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0022	0.0002	0.0024	0.0024	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.146	0.0096	0.1556	0.184	0.0037	0.0012	<0.0002	0.0015	<0.001	0.0005	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	0.0011	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0182	<0.0006	<0.0002	<0.0006	<0.0006	0.0004	<0.0006
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	0.0014	0.13	0.0144	0.144	0.165	0.0009	0.0011	0.0029	0.0045	<0.001	0.0012	0.0029	0.0006	<0.0002	<0.0002	<0.0002	0.0016	0.0017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	-	-	-	0.1444	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	05 Nov 2019	0908_MD1_SD_191105	Normal	NSW_0908_PFASOMP	0.0006	0.0974	0.0086	0.106	0.108	<0.0002	<0.0002	0.0009	<0.0002	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	02 Jun 2020	0908_SD001_200602	Normal	NSW_0908_PFASOMP	<0.0010	0.0239	0.0018	0.0257	0.0257	<0.0010	<0.0010	<0.0010	<0.0010	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0025	<0.0010	<0.0025	<0.0025	<0.0010	<0.0025
SD001	20 Nov 2020	0908_QC103_201120	Field_D	NSW_0908_PFASOMP	0.0004	0.0401	0.0058	0.0459	0.0478	0.0002	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	20 Nov 2020	0908_QC203_201120	Interlab_D	NSW_0908_PFASOMP	<0.001	0.044	0.014	-	-	<0.001	<0.001	<0.001	<0.001	0.003	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD001	20 Nov 2020	0908_SD001_201120	Normal	NSW_0908_PFASOMP	0.0004	0.0393	0.0057	0.0450	0.0471	0.0003	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	11 May 2021	0908_SD001_210511	Normal	NSW_0908_PFASOMP	0.0004	0.0787	0.0076	0.0863	0.0916	0.0003	0.0005	0.0019	<0.0002	<0.001	<0.0002	0.0005	<0.0002	0.0004	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	19 Nov 2021	0908_QC115_211119	Field_D	NSW_0908_PFASOMP	<0.0002	0.0191	0.0023	0.0214	0.0214	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	19 Nov 2021	0908_QC215_211119	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.011	0.0007	0.012	0.013	<0.0001	<0.0001	0.0001	0.0004	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD001	19 Nov 2021	0908_SD001_211119	Normal	NSW_0908_PFASOMP	0.0003	0.0207	0.0031	0.0238	0.0260	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	18 May 2022	0908_SD001_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0014	0.0002	0.0016	0.0016	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	08 Nov 2022	0908_SD001_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0936	0.0082	0.102	0.107	0.0006	0.0006	<0.0002	<0.0002	<0.001	<0.0002	0.0012	0.0006	<0.0002	<0.0002	<0.0002	0.0012	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	08 May 2023	0908_SD001_230508	Normal	NSW_0908_PFASOMP_23	0.0010	0.142	0.0073	0.149	0.154	<0.0002	<0.0002	0.0017	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	21 Nov 2023	0908_SD001_231121	Normal	NSW_0908_PFASOMP_23	0.0007	0.143	0.0093	0.152	0.157	0.0006	0.0006	0.0003	0.0005	<0.001	0.0007	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	24 Apr 2024	0908_SD001_240424	Normal	NSW_0908_PFASOMP_24	0.0006	0.176	0.0239	0.200	0.215	0.0012	0.0020	0.0025	<0.0002	<0.001	0.0016	0.0021	0.0017	<0.0002	<0.0002	<0.0002	0.0009	<0.0002	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	0.0015	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	19 Jun 2014	MD5_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD005	25 Jan 2016	MD5_SD_25012016	Normal	NSW_0908_PFAS	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD005	20 Dec 2016	MD5_SED_161220	Normal	NSW_0908_PFAS	<0.0002	0.003	0.0052	0.0082	0.0102	0.0006	<0.0002	0.0004	<0.0002	<0.001	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0012	<0.0002	0.0012	0.0016	<0.0002	<0.0002	0.0004	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD005	06 Dec 2018	0908_MD5_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0019	0.0003	0.0022	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	13 Jun 2019	0908_MD5_SD_190613	Normal	NSW_0908_PFAS	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	06 Nov 2019	0908_MD5_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	04 Jun 2020	0908_SD005_200604	Normal	NSW_0908_PFASOMP	<0.0002	0.0032	0.0006	0.0038	0.0038	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	20 Nov 2020	0908_SD005_201120	Normal	NSW_0908_PFASOMP	0.0010	0.0320	0.0015	0.0335	0.0380	<0.0002	<0.0002	0.0002	<0.0002	<0.001	0.0011	0.0017	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	11 May 2021	0908_SD005_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0105	0.0008	0.0113	0.0113	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	17 Nov 2021	0908_SD005_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0117	0.0020	0.0137	0.0137	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	18 May 2022	0908_SD005_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	08 Nov 2022	0908_SD005_221108	Normal	NSW_0908_PFASOMP	0.0011	0.0417	0.0023	0.0440	0.0489	0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0012	0.0020	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	09 May 2023	0908_QC113_230509	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0116	0.0004	0.0120	0.0120	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	09 May 2023	0908_QC213_230509	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.025	0.0006	0.025	0.026	<0.0001	<0.0001	0.0002	0.0003	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD005	09 May 2023	0908_SD005_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0232	0.0007	0.0239	0.0239	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	21 Nov 2023	0908_SD005_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0058	0.0007	0.0065	0.0065	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	16 Apr 2024	0908_QC205_240416	Interlab_D	NSW_0908_PFASOMP_24	<0.0004	0.0097	0.0006	0.01	0.01	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD005	16 Apr 2024	0908_SD005_240416	Normal	NSW_0908_PFASOMP_24	0.0002	0.0069	0.0003	0.0072	0.0074	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	23 Jun 2014	MD6_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.018	<0.005	0.018	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD006	13 Jan 2016	MD6_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0185	-	0.0185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD006	14 Dec 2016	MD6_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.0238	0.0015	0.0253	0.026	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	12 Apr 2018	MD6_SED_12042018	Normal	NSW_0908_PFAS	0.0002	0.0208	0.0018	0.0226	0.023	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	06 Dec 2018	0908_MD6_SD_181206	Normal	NSW_0908_PFAS	0.0002	0.0157	0.0021	0.0178	0.0186	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	14 Jun 2019	0908_MD6_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0729	0.004	0.0769	0.0769	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	05 Nov 2019	0908_MD6_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0018	<0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	02 Jun 2020	0908_SD006_200602	Normal	NSW_0908_PFASOMP	0.0002	0.0988	0.0026	0.101	0.103	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0009	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SD006	20 Nov 2020	0908_SD006_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0077	0.0003	0.0080	0.0080	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	11 May 2021	0908_SD006_210511	Normal	NSW_0908_PFASOMP	0.0038	1.20	0.0398	1.24	1.28	0.0004	0.0009	0.0045	0.0045	<0.001	0.0092	0.0070	0.0013	0.0003	0.0006	0.0007	0.0056	<0.0002	<0.0006	<0.0005	0.0013	0.0009	<0.0005	0.0038	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	17 Nov 2021	0908_SD006_211117	Normal	NSW_0908_PFASOMP	0.0004	0.131	0.0064	0.137	0.140	<0.0002	<0.0002	0.0004	0.0004	<0.001	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	18 May 2022	0908_SD006_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0296	0.0010	0.0306	0.0308	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	08 Nov 2022	0908_SD006_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.336	0.0034	0.339	0.346	<0.0002	<0.0002	<0.0002	0.0025	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0019	<0.0002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	08 May 2023	0908_SD006_230508	Normal	NSW_0908_PFASOMP_23	0.0004	0.200	0.0075	0.208	0.211	<0.0002	0.0002	0.0008	<0.0002	<0.001	0.0004	0.0007	0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	21 Nov 2023	0908_SD006_231121	Normal	NSW_0908_PFASOMP_23	0.0006	0.859	0.0239	0.883	0.905	0.0004	0.0003	0.0030	0.0082	<0.001	0.0016	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	0.0042	0.0007	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0015	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD005	16 Apr 2024	0908_QC105_240416	Field_D	NSW_0908_PFASOMP_24	<0.0002	0.0081	0.0004	0.0085	0.0087	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	13 Jan 2016	MD7_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-
SD007	14 Dec 2016	MD7_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.001	0.0003	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	MD7_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0031	0.0004	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	QC100_SED_12042018	Field_D	NSW_0908_PFAS	<0.0002	0.0021	0.0002	0.0023	0.0023	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	QC200_SED_12042018	Interlab_D	NSW_0908_PFAS	<0.001	0.0035	<0.001	0.0045	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD007	06 Dec 2018	0908_MD7_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0241	0.0014	0.0255	0.0257	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	14 Jun 2019	0908_MD7_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.011	0.0002	0.0112	0.0112	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	05 Nov 2019	0908_MD7_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0249	0.0010	0.0259	0.0259	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	02 Jun 2020	0908_SD007_200602	Normal	NSW_0908_PFASOMP	<0.0002	0.0066	0.0006	0.0072	0.0072	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	20 Nov 2020	0908_SD007_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0156	0.0005	0.0161	0.0161	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	11 May 2021	0908_SD007_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0068	0.0005	0.0073	0.0073	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	16 Nov 2021	0908_SD007_211116	Normal	NSW_0908_PFASOMP	<0.0002	0.0471	0.0011	0.0482	0.0487	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	18 May 2022	0908_SD007_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0050	0.0006	0.0056	0.0056	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	08 Nov 2022	0908_SD007_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0088	0.0009	0.0097	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	08 May 2023	0908_SD007_230508	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0383	0.0007	0.0390	0.0395	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	21 Nov 2023	0908_SD007_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0150	0.0010	0.0160	0.0160	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	28 Jan 2016	MD8_SD_28012016	Normal	NSW_0908_PFAS	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-	-
SD009	14 Dec 2016	MD8_SED_20161214	Normal	NSW_0908_PFAS	0.0004	0.0868	0.0116	0.0984	0.103	0.0006	0.0007	0.0021	<0.0002	<0.001	<0.0002	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	01 May 2018	MD8_SED_01052018	Normal	NSW_0908_PFAS	0.0003	0.0702	0.0105	0.0807	0.0867	<0.0002	0.0003	0.0009	0.0024	<0.001	<0.0002	0.0003	<0.0002	<0.0002	0.0003	0.0003	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	<0.0002	<0.0002	0.0006	0.0006	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	-	-	-	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD009	13 Jun 2019	0908_MD8_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0016	0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	06 Nov 2019	0908_MD8_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0057	0.0005	0.0062	0.0062	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	24 Jun 2020	0908_SD009_200624	Normal	NSW_0908_PFASOMP	<0.0002	0.0051	0.0003	0.0054	0.0054	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	26 Nov 2020	0908_SD009_201126	Normal	NSW_0908_PFASOMP	0.0002	0.0556	0.0030	0.0586	0.0598	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	11 May 2021	0908_SD009_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0247	0.0012	0.0259	0.0259	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 Nov 2021	0908_SD009_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0171	0.0009	0.0180	0.0188	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 May 2022	0908_QC105_220517	Field_D	NSW_0908_PFASOMP	<0.0002	0.0194	0.0016	0.0210	0.0226	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 May 2022	0908_QC205_220517	Interlab_D	NSW_0908_PFASOMP	0.0001	0.035	0.0013	0.036	0.039	<0.0001	<0.0001	0.0003	0.001	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	0.002	<0.001	<0.0002	<0.001	<0.001	<0.0004	<0.005
SD009	17 May 2022	0908_SD009_220517	Normal	NSW_0908_PFASOMP	<0.0002	0.0077	0.0004	0.0081	0.0085	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 Nov 2022	0908_QC107_221108	Field_D	NSW_0908_PFASOMP	<0.0002	0.0062	0.0008	0.0070	0.0070	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 Nov 2022	0908_QC207_221108	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.0059	0.0005	0.0064	0.0067	<0.0001	<0.0001	<0.0001	0.0003	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD009	08 Nov 2022	0908_SD009_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0133	0.0013	0.0146	0.0159	0.0005	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 May 2023	0908_QC104_230508	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0176	0.0011	0.0187	0.0195	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 May 2023	0908_QC204_230508	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.028	0.0015	0.029	0.03	<0.0001	<0.0001	0.0003	0.0003	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.002	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.005
SD009	08 May 2023	0908_SD009_230508	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0131	0.0008	0.0139	0.0146	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	21 Nov 2023	0908_SD009_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0112	0.0007	0.0119	0.0119	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	24 Apr 2024	0908_SD006_240424	Normal	NSW_0908_PFASOMP_24	0.0007	0.391	0.0123	0.403	0.417	<0.0002	0.0003	0.0010	<0.0002	0.003	0.0026	0.0011	0.0005	0.0003	0.0006	0.0004	0.0023	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	12 Feb 2016	MD10_SD_12022016	Normal	NSW_0908_PFAS	<0.0005	0.0006	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.001	-	-	-	-	-	-	-	-	-
SD011	12 Feb 2016	QC103_SD_12022016	Field_D	NSW_0908_PFAS	<0.0005	0.0006	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.001	-	-	-	-	-	-	-	-	-
SD011	13 Feb 2017	MD10_SED_130217	Normal	NSW_0908_PFAS	<0.0002	0.0028	0.0005	0.0033	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	07 Dec 2018	0908_MD10_SD_181207	Normal	NSW_0908_PFAS	0.0002	0.0154	0.0015	0.0169	0.0187	<0.0002	<0.0002	0.0002	0.0002	<0.001	0.0003	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	13 Jun 2019	0908_MD10_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0084	0.0006	0.009	0.009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	06 Nov 2019	0908_MD10_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0065	0.0004	0.0069	0.0069	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	19 Jun 2020	0908_SD011_200619	Normal	NSW_0908_PFASOMP	0.0004	0.0359	0.0022	0.0381	0.0396	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD011	26 Nov 2020	0908_QC107_201126	Field_D	NSW_0908_PFASOMP	0.0002	0.0651	0.0034	0.0685	0.0695	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 Nov 2020	0908_QC207_201126	Interlab_D	NSW_0908_PFASOMP	<0.001	0.027	0.0015	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD011	26 Nov 2020	0908_SD011_201126	Normal	NSW_0908_PFASOMP	0.0003	0.125	0.0133	0.138	0.160	0.0016	0.0006	0.0013	0.0085	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0094	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005
SD011	26 May 2021	0908_SD011_110526	Normal	NSW_0908_PFASOMP	<0.0002	0.0217	0.0007	0.0224	0.0224	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0050	<0.0020	<0.0050	<0.0050	<0.0002	<0.0050
SD011	11 May 2023	0908_SD011_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0396	0.0011	0.0407	0.0410	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	28 Nov 2023	0908_QC113_231128	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0191	0.0007	0.0198	0.0211	0.0010	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	28 Nov 2023	0908_QC213_231128	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.018	0.0008	0.019	0.019	<0.0001	<0.0001	0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0025	<0.005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.0002	<0.01
SD011	28 Nov 2023	0908_SD011_231128	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0200	0.0007	0.0207	0.0210	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	24 Apr 2024	0908_SD007_240424	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0101	0.0006	0.0107	0.0107	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	20 Dec 2016	MD14_SED_161220	Normal	NSW_0908_PFAS	<0.0002	0.0024	<0.0002	0.0024	0.0229	0.0147	0.0031	0.0003	0.0009	<0.001	0.0015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0002	<0.0002	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	-	-	-	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0017	<0.0002	0.0017	0.0021	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0011	<0.0002	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	-	-	-	0.0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	-	-	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_QC220_190613	Interlab_D	NSW_0908_PFAS	<0.001	0.0028	<0.001	0.0038	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD014	05 Nov 2019	0908_MD14_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0011	<0.0002	0.0011	0.0017	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	04 Jun 2020	0908_SD014_200604	Normal	NSW_0908_PFASOMP	<0.0002	0.0093	0.0008	0.0101	0.0109	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	26 Nov 2020	0908_QC109_201126	Field_D	NSW_0908_PFASOMP	<0.0002	0.0154	0.0008	0.0162	0.0171	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	26 Nov 2020	0908_QC209_201126	Interlab_D	NSW_0908_PFASOMP	<0.001	0.037	0.0026	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD014	26 Nov 2020	0908_SD014_201126	Normal	NSW_0908_PFASOMP	<0.0002	0.0496	0.0028	0.0524	0.0524	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	11 May 2021	0908_SD014_210511	Normal	NSW_0908_PFASOMP	0.0002	0.0705	0.0053	0.0758	0.0787	<0.0002	0.0003	0.0006	0.0002	<0.001	<0.0002	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	17 Nov 2021	0908_QC212_211117	Interlab_D	NSW_0908_PFASOMP	0.0004	0.059	0.0063	0.065	0.068	0.0001	0.0002	0.0007	<0.0002	0.0003	0.0004	0.0007	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD014	17 Nov 2021	0908_SD014_211117	Normal	NSW_0908_PFASOMP	0.0005	0.0894	0.0083	0.0977	0.102	0.0006	0.0004	0.0006	<0.0002	<0.001	0.0004	0.0010	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	16 May 2022	0908_SD014_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0039	0.0002	0.0041	0.0044	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	07 Nov 2022	0908_QC104_221107	Field_D	NSW_0908_PFASOMP	<0.0002	0.0255	0.0020	0.0275	0.0275	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	07 Nov 2022	0908_QC204_221107	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.0096	0.0004	0.01	0.01	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD014	07 Nov 2022	0908_SD014_221107	Normal	NSW_0908_PFASOMP	<0.0002	0.0508	0.0020	0.0528	0.0544	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	09 May 2023	0908_QC207_230509	Interlab_D	NSW_0908_PFASOMP_23	<0.0005	0.024	0.0011	0.025	0.025	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.0005	<0.0005	<0.001	<0.001	<0.01	<0.01	<0.002	<0.01	<0.01	<0.002	<0.05
SD014	09 May 2023	0908_SD014_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0291	0.0010	0.0301	0.0301	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	21 Nov 2023	0908_SD014_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0565	0.0025	0.0590	0.0686	0.0049	<0.0002	<0.0002	0.0005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0042	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD009	22 Apr 2024	0908_SD009_240422	Normal	NSW_0908_PFASOMP_24	0.0002	0.0179	0.0048	0.0227	0.0254	<0.0002	<0.0002	0.0004	0.0012	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	30 Jan 2017	TC12_SED_300117	Normal	NSW_0908_PFAS	<0.0002	0.0245	0.0025	0.027	0.0273	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0035	<0.0002	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	-	-	-	0.0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD019	06 Dec 2018	0908_TC12_SD_181206	Normal	NSW_0908_PFAS	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	14 Jun 2019	0908_TC12_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0212	0.0012	0.0224	0.0224	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD019	07 Nov 2019	0908_TC12_SD_191107	Normal	NSW_0908_PFASOMP	<0.0002	0.0006	<0.0002	0.0006	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	26 May 2020	0908_SD019_200526	Normal	NSW_0908_PFASOMP	<0.0002	0.0044	0.0004	0.0048	0.0048	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Nov 2020	0908_SD019_201112	Normal	NSW_0908_PFASOMP	0.0004	0.0117	0.0019	0.0136	0.0150	<0.0002	<0.0002	0.0002	<0.0002	<0.001	0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	10 May 2021	0908_SD019_210510	Normal	NSW_0908_PFASOMP	0.0007	0.116	0.0138	0.130	0.134	0.0005	0.0007	0.0016	<0.0002	<0.001	<0.0002	0.0008	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Nov 2021	0908_SD019_211112	Normal	NSW_0908_PFASOMP	<0.0002	0.0053	<0.0002	0.0053	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	27 May 2022	0908_SD019_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0125	0.0007	0.0132	0.0132	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	14 Nov 2022	0908_SD019_221114	Normal	NSW_0908_PFASOMP	0.0008	0.0283	0.0028	0.0311	0.0342	<0.0002	<0.0002	0.0003	<0.0002	<0.001	0.0004	0.0013	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	17 May 2023	0908_SD019_230517	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0007	<0.0002	0.0007	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	28 Nov 2023	0908_SD019_231128	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0123	0.0008	0.0131	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	23 Apr 2024	0908_SD011_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0082	0.0008	0.0090	0.0090	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0012	<0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD023	05 Nov 2019	0908_TC6a_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0059	0.0006	0.0065	0.0065	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD023	04 Jun 2020	0908_SD023_200604	Normal	NSW_0908_PFASOMP	0.0002	0.0101	0.0013	0.0114	0.0116	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	20 Nov 2020	0908_SD023_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0040	0.0003	0.0043	0.0043	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	11 May 2021	0908_SD023_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0163	0.0014	0.0177	0.0179	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 Nov 2021	0908_QC113_211117	Field_D	NSW_0908_PFASOMP	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 Nov 2021	0908_SD023_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0020	<0.0002	0.0020	0.0020	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 May 2022	0908_SD023_220517	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	08 Nov 2022	0908_SD023_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0186	0.0009	0.0195	0.0195	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	09 May 2023	0908_SD023_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0192	0.0011	0.0203	0.0206	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	20 Nov 2023	0908_SD023_231120	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0055	0.0004	0.0059	0.0059	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	16 Apr 2024	0908_SD014_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0554	0.0031	0.0585	0.0790	<0.0002	0.0003	0.0003	0.0035	<0.001	<0.0002	<0.0002	<0.0002	0.0006	<0.0002	0.0116	<0.0002	0.0003	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0039	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	22 Apr 2024	0908_SD019_240422	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0053	<0.0002	0.0053	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC208_240416	Interlab_D	NSW_0908_PFASOMP_24	<0.0004	0.025	0.0014	0.027	0.027	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD023	16 Apr 2024	0908_SD023_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0269	0.0021	0.0290	0.0290	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC108_240416	Field_D	NSW_0908_PFASOMP_24	<0.0002	0.0249	0.0017	0.0266	0.0268	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	21 Jan 2016	TC7_SD_21012016	Normal	NSW_0908_PFAS	<0.0005	0.0136	0.0044	0.018	-	<0.0002	-	-	<0.0002	-	-	0.0007	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.006	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD024	14 Dec 2016	TC7_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.0006	<0.0002	0.0006	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	06 Dec 2018	0908_TC7_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0028	0.0003	0.0031	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	13 Jun 2019	0908_TC7_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0023	0.0002	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	05 Nov 2019	0908_TC7_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0017	0.0003	0.0020	0.0020	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	04 Jun 2020	0908_SD024_200604	Normal	NSW_0908_PFASOMP	0.0005	0.0097	0.0014	0.0111	0.0119	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	20 Nov 2020	0908_SD024_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0170	0.0011	0.0181	0.0184	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	11 May 2021	0908_SD024_210511	Normal	NSW_0908_PFASOMP	0.0005	0.0045	0.0040	0.0485	0.0501	<0.0002	<0.0002	0.0008	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	17 Nov 2021	0908_QC213_211117	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.0028	0.0004	0.0032	0.0032	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD024	17 Nov 2021	0908_SD024_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0034	0.0005	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	16 May 2022	0908_SD024_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0031	0.0012	0.0043	0.0043	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	08 Nov 2022	0908_SD024_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0840	0.0059	0.0899	0.0902	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	09 May 2023	0908_SD024_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0731	0.0025	0.0756	0.0764	<0.0002	<0.0002	0.0008	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	20 Nov 2023	0908_SD024_231120	Normal	NSW_0908_PFASOMP_23	0.0017	0.0248	0.0008	0.0256	0.0286	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0007	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	16 Apr 2024	0908_SD024_240416	Normal	NSW_0908_PFASOMP_24	0.0052	0.0627	0.0030	0.0657	0.0798	<0.0002	<0.0002	0.0006	<0.0002	<0.001	0.0018	0.0040	0.0016	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	17 Nov 2014	BD03_SD01_171114	Normal	NSW_0908_PFAS	<0.005	0.015	0.017	0.032	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	0.007	<0.005	-	-	<0.005	-	-
SD047	17 Nov 2014	QC100_171114	Field_D	NSW_0908_PFAS	<0.005	0.053	0.012	0.065	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	0.011	<0.005	-	-	<0.005	-	-
SD047	14 Jan 2016	BD03_SD_14012016	Normal	NSW_0908_PFAS	0.0016	0.0377	0.0122	0.0499	-	<0.0002	-	-	0.0017	-	-	0.0007	0.0006	0.0004	0.0003	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	0.0007	<0.001	-	<0.001	<0.001	-	<0.001
SD047	14 Sep 2016	BD03_0.0-0.1_140916	Normal	NSW_0908_PFAS	<0.0005	0.012	0.00052	0.01252	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD047	14 Sep 2016	BD03_0.3-0.4_140916	Normal	NSW_0908_PFAS	<0.0005	0.017	0.00061	0.01761	-	<0.0005	<0.0005	<0.0005	0.00057	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD047	16 Dec 2016	BD03_SED_161216	Normal	NSW_0908_PFAS	0.0002	0.0285	0.0046	0.0331	0.0364	0.0002	0.0003	0.0004	0.0004	<0.001	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	12 Apr 2018	BD03_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0034	0.0005	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	07 Dec 2018	0908_BD03_SD_181207	Normal	NSW_0908_PFAS	0.0005	0.0187	0.0033	0.022	0.0257	<0.0002	0.0002	0.0003	0.0002	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0017	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	14 Jun 2019	0908_BD03_SD_190614	Normal	NSW_0908_PFAS	0.0006	0.0431	0.0033	0.0464	0.0527	0.0005	0.0003	0.0004	0.0018	<0.001	0.0002	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	06 Nov 2019	0908_BD04_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0006	0.0005	0.0011	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	22 May 2020	0908_SD047_200522	Normal	NSW_0908_PFASOMP	0.0014	0.131	0.0102	0.141	0.162	0.0027	0.0007	0.0015	0.0015	<0.001	0.0007	0.0023	0.0005	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0097	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	27 Nov 2020	0908_SD047_201127	Normal	NSW_0908_PFASOMP	0.0013	0.0542	0.0074	0.0616	0.0798	0.0038	0.0004	0.0011	0.0008	0.001	0.0006	0.0017	0.0004	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0062	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	11 May 2021	0908_SD047_210511	Normal	NSW_0908_PFASOMP	0.0003	0.0416	0.0083	0.0499	0.0561	0.0013	0.0002	0.0003	0.0005	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0026	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	16 Nov 2021	0908_SD047_211116	Normal	NSW_0908_PFASOMP	0.0011	0.364	0.0186	0.383	0.408	0.0011	0.0012	0.0019	0.0051	<0.001	<0.0002	0.0030	0.0006	<0.0002	<0.0002	<0.0002	0.0007	0.0007	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0090	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	19 May 2022	0908_SD047_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0016	0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	10 Nov 2022	0908_SD047_221110	Normal	NSW_0908_PFASOMP	<0.0002	0.0264	0.0010	0.0274	0.0276	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	10 May 2023	0908_SD047_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0057	0.0008	0.0065	0.0067	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	23 Nov 2023	0908_SD047_231123	Normal	NSW_0908_PFASOMP_23	0.0002	0.0713	0.0036	0.0749	0.0760	<0.0002	<0.0002	0.0003	<0.0002	<0.001	0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	18 Apr 2024	0908_SD047_240418	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0497	0.0028	0.0525	0.0532	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	17 Nov 2014	BD04_SD01_171114	Normal	NSW_0908_PFAS	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD048	20 Jan 2016	BD04_SD_20012016	Normal	NSW_0908_PFAS	<0.0005	0.001	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD048	16 Dec 2016	BD04_SED_161216	Normal	NSW_0908_PFAS	<0.0002	0.0009	0.0004	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	12 Apr 2018	BD04_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0004	0.0005	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	07 Dec 2018	0908_BD04_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0005	0.0003	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD048	14 Jun 2019	0908_BD04_SD_190614	Normal	NSW_0908_PFAS	0.0003	0.0035	0.0015	0.005	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 May 2020	0908_SD048_200522	Normal	NSW_0908_PFASOMP	0.0003	0.0018	0.0013	0.0031	0.0036	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	27 Nov 2020	0908_SD048_201127	Normal	NSW_0908_PFASOMP	<0.0002	0.0012	0.0006	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	11 May 2021	0908_SD048_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	16 Nov 2021	0908_SD048_211116	Normal	NSW_0908_PFASOMP	0.0002	0.0039	0.0019	0.0058	0.0067	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	19 May 2022	0908_SD048_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0033	0.0014	0.0047	0.0058	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0004	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	10 Nov 2022	0908_SD048_221110	Normal	NSW_0908_PFASOMP	0.0006	0.0103	0.0040	0.0143	0.0174	<0.0002	0.0002	<0.0002	<0.0002	<0.001	0.0010	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	10 May 2023	0908_SD048_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0026	0.0008	0.0034	0.0034	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 Nov 2023	0908_QC110_231122	Field_D	NSW_0908_PFASOMP_23	0.0003	0.0156	0.0030	0.0186	0.0189	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 Nov 2023	0908_QC210_231122	Interlab_D	NSW_0908_PFASOMP_23	0.0003	0.0085	0.0018	0.01	0.011	<0.0001	0.0001	0.0003	<0.0002	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD048	22 Nov 2023	0908_SD048_231122	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0021	0.0005	0.0026	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	18 Apr 2024	0908_SD048_240418	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0056	0.0010	0.0066	0.0066	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	23 Jun 2014	DD1_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.008	<0.005	0.008	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	-	-
SD055	26 Jun 2014	QC6_SEDIMENT	Interlab_D	NSW_0908_PFAS	<0.0005	0.0039	0.0003	0.0042	-	<0.0002	-	-	0.0006	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD055	14 Jan 2016	DD1_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.007	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD055	16 Dec 2016	DD1_SED_161216	Normal	NSW_0908_PFAS	<0.0002	0.0055	0.0015	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	12 Apr 2018	DD1_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0011	0.0007	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	07 Dec 2018	0908_DD1_SD_181207	Normal	NSW_0908_PFAS	0.0004	0.0042	0.0062	0.0104	0.0136	<0.0002	0.0002	<0.0002	0.0009	<0.001	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	13 Jun 2019	0908_DD1_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.003	0.0004	0.0034	0.0055	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0021	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	05 Nov 2019	0908_DD1_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	0.0006	0.0014	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	22 May 2020	0908_SD055_200522	Normal	NSW_0908_PFASOMP	0.0003	0.0083	0.0009	0.0092	0.0115	<0.0002	<0.0002	<0.0002	0.0002	<0.001	0.0005	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	23 Nov 2020	0908_SD055_201123	Normal	NSW_0908_PFASOMP	<0.0002	0.0022	0.0003	0.0025	0.0028	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	11 May 2021	0908_SD055_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0136	0.0023	0.0159	0.0185	<0.0002	<0.0002	<0.0002	0.0011	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	16 Nov 2021	0908_QC109_211116	Field_D	NSW_0908_PFASOMP	<0.0002	0.0048	0.0013	0.0061	0.0061	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	16 Nov 2021	0908_SD055_211116	Normal	NSW_0908_PFASOMP	<0.0002	0.0038	0.0011	0.0049	0.0049	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	19 May 2022	0908_QC209_220519	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.01	0.0006	0.011	0.011	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD055	19 May 2022	0908_SD055_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0092	0.0007	0.0099	0.0099	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	10 Nov 2022	0908_SD055_221110	Normal	NSW_0908_PFASOMP	0.0003	0.0323	0.0054	0.0377	0.0423	<0.0002	<0.0002	0.0002	0.0022	<0.001	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	10 May 2023	0908_SD055_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0137	0.0022	0.0159	0.0167	<0.0002	<0.0002	0.0003	0.0005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	22 Nov 2023	0908_SD055_231122	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0019	0.0006	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	17 Apr 2024	0908_SD055_240417	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0071	0.0015	0.0086	0.0091	<0.0002	<0.0002	0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	19 Jun 2014	DD2_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.24	0.042	0.282	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	-	-
SD059	14 Jan 2016	DD2_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.0011	-	0.0011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD059	14 Jan 2016	QC200_SD_1412016	Field_D	NSW_0908_PFAS	<0.002	<0.002	-	<0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.002	-	-	-	-	-	-	-	-	-
SD059	14 Dec 2016	DD2_SED_161214	Normal	NSW_0908_PFAS	<0.0002	0.0066	0.001	0.0076	0.0076	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	12 Apr 2018	DD2_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0018	0.0003	0.0021	0.0026	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0006	<0.0002	0.0006	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD059	13 Jun 2019	0908_DD2_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0008	0.0003	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	05 Nov 2019	0908_DD2_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0153	0.0018	0.0171	0.0193	<0.0002	<0.0002	<0.0002	0.0013	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	04 Jun 2020	0908_SD059_200604	Normal	NSW_0908_PFASOMP	<0.0002	0.0124	0.0016	0.0140	0.0152	<0.0002	<0.0002	<0.0002	0.0006	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	13 Nov 2020	0908_SD059_201113	Normal	NSW_0908_PFASOMP	0.0004	0.0662	0.0006	0.0668	0.0685	<0.0002	<0.0002	0.0005	0.0008	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	11 May 2021	0908_SD059_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0196	0.0018	0.0214	0.0265	<0.0002	<0.0002	0.0003	0.0041	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	15 Nov 2021	0908_SD059_211115	Normal	NSW_0908_PFASOMP	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	17 May 2022	0908_SD059_220517	Normal	NSW_0908_PFASOMP	<0.0002	0.0026	<0.0002	0.0026	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	09 Nov 2022	0908_SD059_221109	Normal	NSW_0908_PFASOMP	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 May 2023	0908_QC116_230516	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0005	0.0004	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 May 2023	0908_QC216_230516	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.0003	0.0003	0.0006	0.0006	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD059	16 May 2023	0908_SD059_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	23 Nov 2023	0908_SD059_231123	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0015	<0.0002	0.0015	0.0015	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 Apr 2024	0908_SD059_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0130	0.0026	0.0156	0.0164	<0.0002	<0.0002	<0.0002	0.0008	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	17 Jun 2014	DD3_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.098	0.039	0.137	-	0.027	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	-	-
SD060	25 Jun 2014	QC5_SEDIMENT	Field_D	NSW_0908_PFAS	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD060	14 Jan 2016	DD3_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.0097	0.004	0.0137	-	0.0002	-	-	<0.0002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD060	14 Jan 2016	QC100_SD_13012016	Field_D	NSW_0908_PFAS	<0.0005	0.0095	-	0.0095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	0.0036	0.339	0.0384	0.377	0.395	0.0014	0.0026	0.0058	<0.0002	<0.001	0.0003	0.0037	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	-	-	-	0.3774	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD060	12 Apr 2018	DD3_SED_12042018	Normal	NSW_0908_PFAS	0.0021	0.0839	0.0301	0.114	0.13	0.0035	0.0025	0.0034	<0.0002	<0.001	<0.0002	0.0042	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	0.0036	0.14	0.0664	0.206	0.239	0.0038	0.005	0.0097	<0.0002	<0.001	0.0014	0.0074	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.2064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD060	13 Jun 2019	0908_DD3_SD_190613	Normal	NSW_0908_PFAS	0.0002	0.0148	0.0042	0.019	0.021	0.0003	0.0004	0.0005	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	05 Nov 2019	0908_DD3_SD_191105	Normal	NSW_0908_PFASOMP	0.0010	0.0971	0.0142	0.111	0.120	0.0011	0.0012	0.0023	<0.0002	<0.001	0.0004	0.0019	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	04 Jun 2020	0908_SD060_200604	Normal	NSW_0908_PFASOMP	0.0004	0.0194	0.0047	0.0241	0.0271	0.0006	0.0005	0.0005	<0.0002	<0.001	<0.0002	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	20 Nov 2020	0908_SD060_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0257	0.0014	0.0271	0.0273	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	11 May 2021	0908_SD060_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0417	0.0022	0.0439	0.0452	0.0002	0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	15 Nov 2021	0908_SD060_211115	Normal	NSW_0908_PFASOMP	0.0014	0.0912	0.0227	0.114	0.126	0.0015	0.0016	0.0039	<0.0002	<0.001	0.0003	0.0029	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	18 May 2022	0908_SD060_220518	Normal	NSW_0908_PFASOMP	0.0014	0.226	0.0217	0.248	0.262	0.0015	0.0020	0.0048	<0.0002	<0.001	0.0007	0.0033	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC111_221109	Field_D	NSW_0908_PFASOMP	0.0004	0.0213	0.0039	0.0252	0.0277	0.0002	0.0004	0.0006	<0.0002	<0.001	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC211_221109	Interlab_D	NSW_0908_PFASOMP	0.0003	0.012	0.0025	0.014	0.016	0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	0.0007	0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD060	09 Nov 2022	0908_SD060_221109	Normal	NSW_0908_PFASOMP	0.0003	0.0149	0.0034	0.0183	0.0202	0.0002	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	11 May 2023	0908_SD060_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0017	0.0006	0.0023	0.0023	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	23 Nov 2023	0908_SD060_231123	Normal	NSW_0908_PFASOMP_23	0.0045	1.03	0.0848	1.11	1.16	0.0034	0.0053	0.0150	<0.0002	0.002	0.0012	0.0080	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	22 Apr 2024	0908_SD060_240422	Normal	NSW_0908_PFASOMP_24	0.0012	0.0404	0.0172	0.0576	0.0684	0.0017	0.0020	0.0028	<0.0002	<0.001	0.0004	0.0023	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	17 Jun 2014	DD5_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.056	<0.005	0.056	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	<0.005	-	-
SD062	13 Jan 2016	DD5_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0009	-	0.0009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD062	14 Dec 2016	DD5_SED_161214	Normal	NSW_0908_PFAS	<0.0002	0.001	0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	12 Apr 2018	DD5_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0079	0.0005	0.0084	0.0084	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_DD5_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0086	0.0004	0.009	0.0094	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_QC110_SD_181207	Field_D	NSW_0908_PFAS	<0.0002	0.0066	0.0004	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_QC205_SD_181207	Interlab_D	NSW_0908_PFAS	<0.001	0.0084	<0.001	0.0094	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD062	13 Jun 2019	0908_DD5_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0303	0.0018	0.0321	0.0321	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	06 Nov 2019	0908_DD5_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0054	0.0006	0.0060	0.0060	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	02 Jun 2020	0908_SD062_200602	Normal	NSW_0908_PFASOMP	0.0004	0.0800	0.0060	0.0860	0.0888	0.0004	0.0004	0.0010	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	20 Nov 2020	0908_SD062_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0031	0.0004	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	11 May 2021	0908_SD062_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0312	0.0024	0.0336	0.0343	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	17 Nov 2021	0908_SD062_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0036	0.0003	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	16 May 2022	0908_SD062_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0004	0.0004	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Nov 2022	0908_SD062_221107	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	11 May 2023	0908_SD062_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	23 Nov 2023	0908_SD062_231123	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0192	0.0011	0.0203	0.0203	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	22 Apr 2024	0908_SD062_240422	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0096	0.0003	0.0099	0.0099	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	14 Jan 2016	TC2_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.0109	-	0.0109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD079	14 Dec 2016	TC2_SED_161214	Normal	NSW_0908_PFAS	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	12 Apr 2018	TC2_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0071	0.0011	0.0082	0.0093	<0.0002	<0.0002	0.0011	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0011	<0.0002	0.0011	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD079	13 Jun 2019	0908_TC2_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0063	0.0007	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	05 Nov 2019	0908_TC2_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0017	0.0004	0.0021	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	02 Jun 2020	0908_SD079_200602	Normal	NSW_0908_PFASOMP	0.0003	0.0597	0.0040	0.0637	0.0652	0.0002	<0.0002	0.0006	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	26 Nov 2020	0908_SD079_201126	Normal	NSW_0908_PFASOMP	<0.0002	0.0271	0.0056	0.0327	0.0338	0.0003	0.0003	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	11 May 2021	0908_SD079_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0079	0.0030	0.0109	0.0114	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	12 Nov 2021	0908_SD079_211112	Normal	NSW_0908_PFASOMP	<0.0002	0.0162	0.0018	0.0180	0.0182	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	16 May 2022	0908_SD079_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0038	0.0006	0.0044	0.0044	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	07 Nov 2022	0908_SD079_221107	Normal	NSW_0908_PFASOMP	<0.0002	0.0483	0.0070	0.0553	0.0553	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD079	09 May 2023	0908_SD079_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0363	0.0034	0.0397	0.0405	<0.0002	0.0003	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	21 Nov 2023	0908_QC104_231121	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD079	21 Nov 2023	0908_QC204_231121	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.0008	<0.0001	0.0008	0.0008	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD079	21 Nov 2023	0908_SD079_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0005	<0.0002	0.0005	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	16 Apr 2024	0908_SD079_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0157	0.0025	0.0182	0.0186	<0.0002	0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	13 Jan 2016	TFD1_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0095	-	0.0095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-
SD081	14 Dec 2016	TFD1_SED_161214	Normal	NSW_0908_PFAS	<0.0005	0.014	<0.0005	0.014	0.0145	0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	12 Apr 2018	TFD1_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0021	0.0004	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	07 Dec 2018	0908_TFD1_SD_181206	Normal	NSW_0908_PFAS	<0.0005	0.024	0.0015	0.0255	0.0271	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	14 Jun 2019	0908_TFD1_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.019	0.0018	0.0208	0.0208	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	05 Nov 2019	0908_QC102_191105	Field_D	NSW_0908_PFASOMP	<0.0005	0.0174	0.0022	0.0196	0.0196	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	05 Nov 2019	0908_QC202_191105	Interlab_D	NSW_0908_PFASOMP	<0.002	0.015	<0.005	-	-	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SD081	05 Nov 2019	0908_TFD1_SD_191105	Normal	NSW_0908_PFASOMP	<0.0005	0.0174	0.0026	0.0200	0.0200	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	02 Jun 2020	0908_SD081_200602	Normal	NSW_0908_PFASOMP	0.0007	0.0434	0.0020	0.0454	0.0474	<0.0002	<0.0002	0.0006	<0.0002	<0.001	<0.0002	0.0005	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	12 Nov 2020	0908_SD081_201112	Normal	NSW_0908_PFASOMP	0.0002	0.0123	0.0006	0.0129	0.0134	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	11 May 2021	0908_SD081_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0037	0.0004	0.0041	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	17 Nov 2021	0908_SD081_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0062	<0.0002	0.0062	0.0062	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	16 May 2022	0908_SD081_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0178	0.0051	0.0229	0.0229	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD081	08 Nov 2022	0908_SD081_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0005	0.0004	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	11 May 2023	0908_SD081_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0038	0.0004	0.0042	0.0042	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD081	23 Nov 2023	0908_SD081_231123	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0014	<0.0002	0.0014	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	23 Apr 2024	0908_SD081_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0021	<0.0002	0.0021	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	23 Jun 2014	LC1_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	2.3	0.34	2.64	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.011	0.27	-	<0.005	<0.005	-	-	<0.005	-	-
SD108	14 Jan 2016	LC_SD_14012015	Normal	NSW_0908_PFAS	0.0028	0.144	-	0.144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-
SD108	14 Sep 2016	LC_0.0-0.1_140916	Normal	NSW_0908_PFAS	<0.0005	0.062	0.00082	0.06282	-	<0.0005	<0.0005	<0.0005	0.00077	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD108	16 Dec 2016	LC_SED_161216	Normal	NSW_0908_PFAS	0.0005	0.0396	0.0016	0.0412	0.0471	<0.0002	<0.0002	0.0003	0.0022	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0025	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	12 Apr 2018	LC_SED_13042018	Normal	NSW_0908_PFAS	0.0002	0.0216	0.0006	0.0222	0.0255	<0.0002	<0.0002	<0.0002	0.0009	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	0.0004	<0.0002	<0.0005
SD108	07 Dec 2018	0908_LC_SD_181207	Normal	NSW_0908_PFAS	0.0002	0.0332	0.0016	0.0348	0.0384	<0.0002	<0.0002	<0.0002	0.0008	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0022	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	14 Jun 2019	0908_LC_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0166	0.0005	0.0171	0.0212	<0.0002	<0.0002	<0.0002	0.0007	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0016	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	06 Nov 2019	0908_BD03_SD_191106	Normal	NSW_0908_PFASOMP	0.0006	0.0317	0.0054	0.0371	0.0449	0.0008	0.0006	0.0004	<0.0002	<0.001	0.0008	0.0032	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	0.0002	<0.0005
SD108	06 Nov 2019	0908_LC_SD_191106	Normal	NSW_0908_PFASOMP	0.0004	0.0499	0.0034	0.0533	0.0692	0.0003	<0.0002	0.0003	0.0010	<0.001	0.0003	0.0022	0.0002	<0.0002	0.0003	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	0.0096	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	22 May 2020	0908_SD108_200522	Normal	NSW_0908_PFASOMP	0.0006	0.0372	0.0019	0.0391	0.0479	<0.0002	<0.0002	0.0002	0.0010	<0.001	0.0004	0.0010	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0052	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	27 Nov 2020	0908_SD108_201127	Normal	NSW_0908_PFASOMP	0.0008	0.232	0.0070	0.239	0.255	<0.0002	0.0003	0.0008	0.0042	0.002	0.0004	0.0011	0.0002	<0.0002	0.0002	<0.0002	0.0006	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0050	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	11 May 2021	0908_SD108_210511	Normal	NSW_0908_PFASOMP	0.0005	0.192	0.0070	0.199	0.218	0.0003	0.0003	0.0006	0.0061	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0100	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	16 Nov 2021	0908_SD108_211116	Normal	NSW_0908_PFASOMP	0.0005	0.181	0.0075	0.188	0.221	0.0044	0.0002	0.0007	0.0119	<0.001	<0.0002	0.0011	<0.0002	<0.0002	<0.0002	0.0003	0.0010	0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0126	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	19 May 2022	0908_QC109_220519	Field_D	NSW_0908_PFASOMP	<0.0002	0.0879	0.0043	0.0922	0.103	<0.0002	<0.0002	0.0004	0.0028	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0066	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	19 May 2022	0908_SD108_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0377	0.0016	0.0393	0.0435	<0.0002	<0.0002	<0.0002	0.0010	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0029	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	10 Nov 2022	0908_SD108_221110	Normal	NSW_0908_PFASOMP	0.0002	0.114	0.0079	0.122	0.139	<0.0002	0.0004	0.0004	0.0066	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	0.0010	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0081	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	10 May 2023	0908_SD108_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0077	0.0003	0.0080	0.0089	<0.0002	<0.0002	<0.0002	0.0006	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	23 Nov 2023	0908_SD108_231123	Normal	NSW_0908_PFASOMP_23	0.0004	0.190	0.0097	0.200	0.213	<0.0002	0.0004	0.0010	0.0033	<0.001	0.0011	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0058	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	18 Apr 2024	0908_SD108_240418	Normal	NSW_0908_PFASOMP_24	0.0012	0.271	0.0188	0.290	0.328	<0.0002	0.0008	0.0019	0.0067	<0.001	0.0013	0.0010	0.0004	0.0002	<0.0002	<0.0002	0.0008	<0.0002	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	0.0231	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	LC_B_SED_161216	Normal	NSW_0908_PFAS	<0.0002	0.0096	0.0002	0.0098	0.0101	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	QC602_SED_161216	Field_D	NSW_0908_PFAS	<0.0002	0.0203	0.0006	0.0209	0.0216	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	QC702_SD_161216	Interlab_D	NSW_0908_PFAS	<0.002	0.059	0.0025	0.0615	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-
SD110	12 Apr 2018	LC_B_SED_13042018	Normal	NSW_0908_PFAS	0.0004	0.0112	0.0007	0.0119	0.0164	<0.0002	<0.0002	<0.0002	0.001	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0027	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	07 Dec 2018	0908_LC_B_SD_181207	Normal	NSW_0908_PFAS	0.0004	0.0288	0.0016	0.0304	0.0375	<0.0002	<0.0002	<0.0002	0.0006	<0.001	0.0005	0.0009	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0045	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_LC_B_SD_190614	Normal	NSW_0908_PFAS	0.0007	0.0548	0.0023	0.0571	0.0688	<0.0002	<0.0002	0.0002	0.0039	<0.001	0.0002	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0057	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_QC121_190614	Field_D	NSW_0908_PFAS	<0.0002	0.0137	0.0008	0.0145	0.0176	<0.0002	<0.0002	<0.0002	0.0011	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_QC221_190614	Interlab_D	NSW_0908_PFAS	<0.001	0.0081	0.0012	0.0093	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD110	06 Nov 2019	0908_LC_B_SD_191106	Normal	NSW_0908_PFASOMP	0.0004	0.0433	0.0026	0.0459	0.0534	0.0002	<0.0002	0.0002	0.0004	<0.001	0.0009	0.0019	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0033	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	22 May 2020	0908_SD110_200522	Normal	NSW_0908_PFASOMP	<0.0002	0.0110	0.0007	0.0117	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	27 Nov 2020	0908_SD110_201127	Normal	NSW_0908_PFASOMP	0.0005	0.0703	0.0028	0.0731	0.0810	<0.0002	<0.0002	0.0003	0.0021	<0.001	0.0007	0.0009	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0028	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	11 May 2021	0908_SD110_210511	Normal	NSW_0908_PFASOMP	0.0011	0.268	0.0130	0.281	0.318	0.0004	0.0005	0.0015	0.0085	<0.001	<0.0002	0.0013	0.0003	<0.0002	<0.0002	<0.0002	0.0006	0.0007	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0211	<0.0005	0.0005	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Nov 2021	0908_SD110_211116	Normal	NSW_0908_PFASOMP	<0.0002	0.189	0.0083	0.197	0.259	0.0022	0.0003	0.0005	0.0028	<0.001	0.0012	0.0044	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0498	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	19 May 2022	0908_SD110_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.200	0.0054	0.205	0.238	<0.0002	<0.0002	0.0015	0.0006	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0015	<0.0005	<0.0005	0.0280	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Sediment Historical Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD110	10 Nov 2022	0908_SD110_221110	Normal	NSW_0908_PFASOMP	0.0006	0.0967	0.0170	0.114	0.129	0.0007	0.0005	0.0007	0.0013	0.001	0.0023	0.0020	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0054	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	10 May 2023	0908_SD110_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.169	0.0058	0.175	0.233	<0.0002	0.0003	0.0005	0.0022	<0.001	0.0006	0.0022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0520	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	23 Nov 2023	0908_SD110_231123	Normal	NSW_0908_PFASOMP_23	0.0019	0.517	0.0196	0.537	0.590	0.0019	<0.0005	0.0021	0.0021	<0.002	0.0006	0.0021	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	0.0020	<0.0005	<0.0005	<0.0005	0.0398	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD110	18 Apr 2024	0908_SD110_240418	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0575	0.0044	0.0619	0.0973	0.0002	0.0003	0.0002	0.0010	<0.001	0.0004	0.0005	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0326	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	07 Dec 2018	0908_FC1A_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0071	0.0011	0.0082	0.0089	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	14 Jun 2019	0908_FC1A_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0039	0.0002	0.0041	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	08 Nov 2019	0908_FC1A_SD_191108	Normal	NSW_0908_PFASOMP	0.0003	0.0029	0.0008	0.0037	0.0042	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	12 Jun 2020	0908_QC111_200612	Field_D	NSW_0908_PFASOMP	0.0025	0.0322	0.0048	0.0370	0.0422	<0.0002	0.0003	0.0005	<0.0002	<0.001	<0.0002	0.0013	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	12 Jun 2020	0908_QC211_200612	Interlab_D	NSW_0908_PFASOMP	0.0021	0.039	0.0043	-	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	0.0019	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD254	12 Jun 2020	0908_SD254_200612	Normal	NSW_0908_PFASOMP	0.0025	0.0387	0.0052	0.0439	0.0500	0.0006	0.0003	0.0006	<0.0002	<0.001	<0.0002	0.0013	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	13 Nov 2020	0908_SD254_201113	Normal	NSW_0908_PFASOMP	0.0044	0.0370	0.0032	0.0402	0.0482	<0.0002	<0.0002	0.0006	<0.0002	<0.001	0.0004	0.0015	0.0009	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	10 May 2021	0908_SD254_210510	Normal	NSW_0908_PFASOMP	0.0037	0.0284	0.0031	0.0315	0.0385	<0.0002	0.0002	0.0004	<0.0002	<0.001	0.0005	0.0013	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	26 Nov 2021	0908_SD254_211126	Normal	NSW_0908_PFASOMP	0.0015	0.0416	0.0041	0.0457	0.0494	<0.0002	<0.0002	0.0006	0.0004	<0.001	<0.0002	0.0006	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	27 May 2022	0908_SD254_220527	Normal	NSW_0908_PFASOMP	0.0011	0.0276	0.0030	0.0306	0.0339	<0.0002	<0.0002	0.0003	0.0006	<0.001	<0.0002	0.0005	<0.0002	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	15 Nov 2022	0908_SD254_221115	Normal	NSW_0908_PFASOMP	0.0005	0.0378	0.0023	0.0401	0.0423	<0.0002	<0.0002	0.0003	0.0012	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	16 May 2023	0908_SD254_230516	Normal	NSW_0908_PFASOMP_23	0.0007	0.0321	0.0016	0.0337	0.0346	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	27 Nov 2023	0908_SD254_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0150	0.0008	0.0158	0.0158	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	23 Apr 2024	0908_SD254_240423	Normal	NSW_0908_PFASOMP_24	0.0005	0.0229	0.0018	0.0247	0.0258	<0.0002	<0.0002	0.0002	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	07 Dec 2018	0908_FC1B_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0137	0.0003	0.014	0.0145	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	14 Jun 2019	0908_FC1B_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0024	0.0004	0.0028	0.0028	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	08 Nov 2019	0908_FC1B_SD_191108	Normal	NSW_0908_PFASOMP	0.0004	0.0075	0.0020	0.0095	0.0103	<0.0002	0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	12 Jun 2020	0908_SD255_200612	Normal	NSW_0908_PFASOMP	<0.0002	0.0116	0.0011	0.0127	0.0127	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	13 Nov 2020	0908_SD255_201113	Normal	NSW_0908_PFASOMP	0.0008	0.0094	0.0026	0.0120	0.0134	<0.0002	<0.0002	0.0003	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	10 May 2021	0908_SD255_210510	Normal	NSW_0908_PFASOMP	0.0023	0.0433	0.0044	0.0477	0.0522	<0.0002	<0.0002	0.0007	<0.0002	<0.001	<0.0002	0.0010	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	26 Nov 2021	0908_SD255_211126	Normal	NSW_0908_PFASOMP	<0.0002	0.0154	0.0007	0.0161	0.0164	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	27 May 2022	0908_SD255_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0309	0.0008	0.0317	0.0320	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	15 Nov 2022	0908_SD255_221115	Normal	NSW_0908_PFASOMP	<0.0002	0.0288	0.0007	0.0295	0.0299	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	16 May 2023	0908_SD255_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0180	0.0004	0.0184	0.0190	<0.0002	<0.0002	<0.0002	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	27 Nov 2023	0908_SD255_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0115	0.0007	0.0122	0.0122	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	23 Apr 2024	0908_SD255_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0109	<0.0002	0.0109	0.0109	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	21 Feb 2017	FCD4_SED_17022017	Normal	NSW_0908_PFAS	<0.0002	0.0168	0.0005	0.0173	0.0175	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	12 Apr 2018	FCD4_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0045	0.0007	0.0052	0.0052	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	07 Dec 2018	0908_FCD4_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0014	0.0005	0.0019	0.0019	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0012	<0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD259	08 Nov 2019	0908_FCD4_SD_191108	Normal	NSW_0908_PFASOMP	<0.0002	0.0010	0.0013	0.0023	0.0025	<0.0002	0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	25 May 2020	0908_SD259_200525	Normal	NSW_0908_PFASOMP	<0.0002	0.0078	0.0014	0.0092	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	13 Nov 2020	0908_SD259_201113	Normal	NSW_0908_PFASOMP	0.0004	0.0111	0.0029	0.0140	0.0149	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	10 May 2021	0908_SD259_210510	Normal	NSW_0908_PFASOMP	0.0004	0.0292	0.0045	0.0337	0.0361	0.0003	0.0002	0.0004	0.0006	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	26 Nov 2021	0908_SD259_211126	Normal	NSW_0908_PFASOMP	<0.0002	0.0006	0.0004	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	27 May 2022	0908_SD259_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0016	<0.0002	0.0016	0.0016	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	15 Nov 2022	0908_SD259_221115	Normal	NSW_0908_PFASOMP	<0.0002	0.0042	0.0005	0.0047	0.0047	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	16 May 2023	0908_SD259_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0068	0.0005	0.0073	0.0073	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	27 Nov 2023	0908_SD259_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0089	0.0070	0.0159	0.0165	<0.0002	<0.0002	0.0004	<0.0002	<0.001	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	23 Apr 2024	0908_SD259_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	08 Nov 2019	0908_FC1C_SD_191108	Normal	NSW_0908_PFASOMP	<0.0002	0.0013	<0.0002	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	12 Jun 2020	0908_SD326_200612	Normal	NSW_0908_PFASOMP	0.0003	0.0081	0.0009	0.0090	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	13 Nov 2020	0908_SD326_201113	Normal	NSW_0908_PFASOMP	<0.0002	0.0057	0.0006	0.0063	0.0063	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	10 May 2021	0908_SD326_210510	Normal	NSW_0908_PFASOMP	0.0011	0.0262	0.0021	0.0283	0.0319	<0.0002	<0.0002	0.0003	0.0006	<0.001	0.0004	0.0009	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	26 Nov 2021	0908_SD326_211126	Normal	NSW_0908_PFASOMP	<0.0002	0.0133	0.0006	0.0139	0.0143	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	27 May 2022	0908_SD326_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0154	0.0006	0.0160	0.0160	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	15 Nov 2022	0908_SD326_221115	Normal	NSW_0908_PFASOMP	<0.0002	0.0093	0.0005	0.0098	0.0098	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	16 May 2023	0908_SD326_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0102	0.0004	0.0106	0.0106	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Sediment Historical Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR							0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																																	
SD326	27 Nov 2023	0908_SD326_231127	Normal	NSW_0908_PFASOMP_23			<0.0002	0.0114	0.0004	0.0118	0.0118	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	23 Apr 2024	0908_SD326_240423	Normal	NSW_0908_PFASOMP_24			<0.0002	0.0127	0.0004	0.0131	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD333	22 Apr 2024	0908_SD333_240422	Normal	NSW_0908_PFASOMP_24			0.0012	0.123	0.0248	0.148	0.181	0.0006	0.0017	0.0027	0.0219	<0.001	0.0007	0.0019	0.0007	<0.0002	<0.0002	<0.0002	0.0004	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005
SD600	25 Nov 2022	0908_SD600_221125	Normal	NSW_0908_PFASOMP			<0.0002	0.0164	0.0014	0.0178	0.0181	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	15 May 2023	0908_SD600_230515	Normal	NSW_0908_PFASOMP_23			<0.0002	0.0239	0.0007	0.0246	0.0255	<0.0002	<0.0002	<0.0002	0.0009	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	27 Nov 2023	0908_SD600_231127	Normal	NSW_0908_PFASOMP_23			<0.0002	0.0510	0.0016	0.0526	0.0534	<0.0002	<0.0002	0.0004	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	22 Apr 2024	0908_SD600_240422	Normal	NSW_0908_PFASOMP_24			0.0003	0.0142	0.0026	0.0168	0.0186	<0.0002	0.0002	0.0003	<0.0002	<0.001	0.0002	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Notes

LOR Limit of Reporting
Normal Primary sample
Field_D Intra-laboratory duplicate sample
Interlab_D Inter-laboratory duplicate sample

Appendix C

Calibration Certificates

Certificate of Service and Calibration
Interface Meter
Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	[redacted]
Instrument	Heron H.Oil Interface Meter (60m)
Serial Number	01-7947
Client Name	[redacted]
Project Number	60612562_2.1

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	[redacted]
Calibration Date	09/04/2024
Calibration Due	09/10/2024

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26 Bungarra Crescent
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T: +61 405 241 484 | +61 424 198 667
E: rentals@wamscientific.com.au
E: accounts@wamscientific.com.au

Certificate of Service and Calibration
Interface Meter
Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	[redacted]
Instrument	Heron H.Oil Interface Meter (30m)
Serial Number	01-8272
Client Name	[redacted]
Project Number	60612562_2.1

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	[redacted]
Calibration Date	09/04/2024
Calibration Due	09/10/2024

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Certificate of Service and Calibration

Interface Meter

Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	[redacted]
Instrument	Heron H.Oil Interface Meter (30m)
Serial Number	01-09088 (SPARE)
Client Name	[redacted]
Project Number	60612562_2.1

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	[redacted]
Calibration Date	09/04/2024
Calibration Due	09/10/2024

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Certificate of Service and Calibration
Interface Meter
Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	[redacted]
Instrument	Heron H.Oil Interface Meter (60m)
Serial Number	01-8175
Client Name	[redacted]
Project Number	60612562_2.1

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	[redacted]
Calibration Date	25/07/2024
Calibration Due	25/01/2025

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Certificate of Service and Calibration
Water Quality Meter
YSI Professional Plus

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	[redacted]
Instrument	YSI Pro Quatro Water Quality Meter w/ 1m Quatro Cable
Serial Number	20B122031
Client Name	[redacted]
Project Number	60612562_2.1
Comments	-

Instrument Check

Item	Test	Test Passed	Comments
2 x Alkaline C-size Batteries	Klein Tools MM300 Multimeter	✓	Both batteries reading above 2.9V
Battery Saver Function	Operation	✓	Automatically turns off after 60 minutes if idle
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Connection Port and Cable	Condition/Check	✓	Clean, no damage
Monitor Housing	Condition/Check	✓	No damage
Firmware	Version	✓	4.0.0
pH Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
pH millivolts for pH 7.00	Calibration	✓	pH 7.00 calibration range between 0 mV ± 50 mV
pH millivolts for pH 4.00	Calibration	✓	pH 4 mV range +165 to +180 from 7 buffer mV value
pH slope	Calibration	✓	Range between 55 to 60 mV/pH (ideal value 59 mV)
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
ORP Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
ORP Reading	Calibration	✓	Within ± 80 mV of reference Zobell Reading
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
Conductivity/Temp Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
Conductivity Cell	Calibration	✓	Conductivity cell constant 5.0 ± 1.0 in GLP file
Clean Sensor Readings	Calibration	✓	Clean sensor reads less than 3 uS/cm in dry air
Dissolved Oxygen Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
DO Cap	Condition/Calibration	✓	1.25 mil PE membrane (yellow membrane)
DO Sensor in Use	Condition	✓	Polarographic DO sensor
DO Sensor Value	Calibration	✓	(min 4.31 uA - max 8.00 uA) Avg 6.15 uA

Instrument Readings

Parameter	Standard Used	Reference No.	Calibration Value	Observed	Actual	Units
Temperature	Centre 370 Thermometer	Room Temp.	16.5	16.7	16.5	°C
pH	pH 4.00	386466	4.01	3.96	4.01	pH
pH	pH 7.00	387329	7.00	6.96	7.00	pH
Conductivity	2760 µs/cm at 25°C	388521	2760	2750	2760	µs/cm
ORP (Ref. check only)	Zobell A & B	380835/382785	248.0	235.7	248.0	mV
Zero Dissolved O_2	$NaSO_3$ in Distilled H_2O	389912	0.0	0.7	0.0	%
100% Dissolved O_2	100% Air Saturated H_2O	Fresh Air	100.0	99.5	100.0	%

Declaration

WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using solutions of known values.

Calibrated By	[redacted]
Calibration Date	09/04/2024
Calibration Due	09/10/2024

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Certificate of Service and Calibration
Water Quality Meter
YSI Professional Plus

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	[redacted]
Instrument	YSI Pro Quatro Water Quality Meter w/ 1m Quatro Cable
Serial Number	20L105295
Client Name	[redacted]
Project Number	60612562_2.1
Comments	-

Instrument Check

Item	Test	Test Passed	Comments
2 x Alkaline C-size Batteries	Klein Tools MM300 Multimeter	✓	Both batteries reading above 2.9V
Battery Saver Function	Operation	✓	Automatically turns off after 60 minutes if idle
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Connection Port and Cable	Condition/Check	✓	Clean, no damage
Monitor Housing	Condition/Check	✓	No damage
Firmware	Version	✓	4.0.0
pH Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
pH millivolts for pH 7.00	Calibration	✓	pH 7.00 calibration range between 0 mV ± 50 mV
pH millivolts for pH 4.00	Calibration	✓	pH 4 mV range +165 to +180 from 7 buffer mV value
pH slope	Calibration	✓	Range between 55 to 60 mV/pH (ideal value 59 mV)
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
ORP Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
ORP Reading	Calibration	✓	Within ± 80 mV of reference Zobell Reading
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
Conductivity/Temp Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
Conductivity Cell	Calibration	✓	Conductivity cell constant 5.0 ± 1.0 in GLP file
Clean Sensor Readings	Calibration	✓	Clean sensor reads less than 3 uS/cm in dry air
Dissolved Oxygen Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
DO Cap	Condition/Calibration	✓	1.25 mil PE membrane (yellow membrane)
DO Sensor in Use	Condition	✓	Polarographic DO sensor
DO Sensor Value	Calibration	✓	(min 4.31 uA - max 8.00 uA) Avg 6.15 uA

Instrument Readings

Parameter	Standard Used	Reference No.	Calibration Value	Observed	Actual	Units
Temperature	Centre 370 Thermometer	Room Temp.	16.5	16.5	16.5	°C
pH	pH 4.00	386466	4.01	3.98	4.01	pH
pH	pH 7.00	387329	7.00	7.04	7.00	pH
Conductivity	2760 µs/cm at 25°C	388521	2760	2714	2760	µs/cm
ORP (Ref. check only)	Zobell A & B	380835/382785	248.0	239.2	248.0	mV
Zero Dissolved O_2	$NaSO_3$ in Distilled H_2O	389912	0.0	0.2	0.0	%
100% Dissolved O_2	100% Air Saturated H_2O	Fresh Air	100.0	103.0	100.0	%

Declaration

WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using solutions of known values.

Calibrated By	[redacted]
Calibration Date	09/04/2024
Calibration Due	09/10/2024

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Certificate of Service and Calibration
Water Quality Meter
YSI Professional Plus

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	+61 405 241 484
Contact Name	[redacted]
Instrument	YSI Pro Quatro Water Quality Meter w/ 1m Quatro Cable
Serial Number	21A103776
Client Name	[redacted]
Project Number	60612562_2.1
Comments	-

Instrument Check

Item	Test	Test Passed	Comments
2 x Alkaline C-size Batteries	Klein Tools MM300 Multimeter	✓	Both batteries reading above 2.9V
Battery Saver Function	Operation	✓	Automatically turns off after 60 minutes if idle
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Connection Port and Cable	Condition/Check	✓	Clean, no damage
Monitor Housing	Condition/Check	✓	No damage
Firmware	Version	✓	4.0.0
pH Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
pH millivolts for pH 7.00	Calibration	✓	pH 7.00 calibration range between 0 mV ± 50 mV
pH millivolts for pH 4.00	Calibration	✓	pH 4 mV range +165 to +180 from 7 buffer mV value
pH slope	Calibration	✓	Range between 55 to 60 mV/pH (ideal value 59 mV)
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
ORP Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
ORP Reading	Calibration	✓	Within ± 80 mV of reference Zobell Reading
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
Conductivity/Temp Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
Conductivity Cell	Calibration	✓	Conductivity cell constant 5.0 ± 1.0 in GLP file
Clean Sensor Readings	Calibration	✓	Clean sensor reads less than 3 uS/cm in dry air
Dissolved Oxygen Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
DO Cap	Condition/Calibration	✓	1.25 mil PE membrane (yellow membrane)
DO Sensor in Use	Condition	✓	Polarographic DO sensor
DO Sensor Value	Calibration	✓	(min 4.31 uA - max 8.00 uA) Avg 6.15 uA

Instrument Readings

Parameter	Standard Used	Reference No.	Calibration Value	Pre-Cal Value	Post-Cal Value	Units
Temperature	Centre 370 Therm.	Room Temp.	9.4	9.5	9.4	°C
pH	pH 4.00	417183	4.01	3.99	4.01	pH
pH	pH 7.00	419528	7.00	7.02	7.00	pH
Conductivity	2760 µs/cm at 25°C	399819	2760	2803	2760	µs/cm
ORP	Zobell A & B	420448/418958	263.0	268.7	263.0	mV
Zero Dissolved O_2	$NaSO_3$ in Distilled H_2O	426184	0.0	1.4	0.0	%
100% Dissolved O_2	100% Air Saturated H_2O	Fresh Air	100.0	92.6	100.0	%

Declaration

WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using solutions of known values.

Calibrated By	[redacted]
Calibration Date	25/07/2024
Calibration Due	25/01/2025

WAM Scientific:
26 Bungarra Crescent
CHIPPING NORTON NSW 2170
T: +61 405 241 484 | +61 424 198 667
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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI ~~Prof Plus~~ Pro Quatro
Serial Number:	20L105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	19/4 07:30				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.00	4.01	2760	0	
Bump Test Reading:	7.01	4.05	2770	0.4	
Bump Test Temperature:	24.4	24.4	24.5	24.5	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

19/4/24

Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20A105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	~~07:50~~ 12:50 15/4/24				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.00	4.01	2760	0	
Bump Test Reading:	7.01	4.02	2751	0.02	
Bump Test Temperature:	24.6	24.5	24.5	24.7	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]
Fieldwork Staff Signature

15/4/24
Date

Distribution: Project Central File

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20L105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	16/4 07:35				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.04	4.00	2127	0	
Bump Test Reading:	7.05	4.04	2111	0.05	
Bump Test Temperature:	13.3	12.4	13.5	13.5	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]
Fieldwork Staff Signature

16/4/24
Date

Distribution: Project Central File

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20L105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	0:705 17/4				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.02	4.01	2391	0	
Bump Test Reading:	7.02	4.05	2368	0.05	
Bump Test Temperature:	18.1	18.1	18.2	18.0	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

17/4/24

Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20L105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	18/4 07:00				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.01	7.00	2813	0	
Bump Test Reading:	4.07	7.01	2790	0.04	
Bump Test Temperature:	25.0	25.1	25.1	25.8	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

7

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

18/4/24

Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI ~~Pro Plus~~ Pro Quatro
Serial Number:	20B122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	19/4 02:50				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:				0	
Bump Test Reading:					
Bump Test Temperature:				24.6	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

19/4/24 — Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	15/4 12:45				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.00	4.01	2760	0	
Bump Test Reading:	7.05	4.04	2760	0.05	
Bump Test Temperature:	24.6	24.5	24.5	24.7	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

15/4/24

Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20B122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	16/4 07:40				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.04	4.00	2127	0	
Bump Test Reading:	7.05	4.04	2143	0.04	
Bump Test Temperature:	13.4	13.4	13.5	13.5	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]
Fieldwork Staff Signature

16/4/24
Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20B122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	07:00 17/4				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.02	4.01	2291	0	
Bump Test Reading:	7.05	4.05	2398	0.06	
Bump Test Temperature:	18.0	18.0	18.2	18.0	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

17/4/24 — Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	OMP WLM	**Project Number:**	60612562 - 2.1
Project Location:	WLM	**Client:**	DoD
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20B122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	18/4/24 06:55				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.01	7.00	~~2813~~ 2760	0	
Bump Test Reading:	4.07	7.02	2790	0.02	
Bump Test Temperature:	25.0	25.1	25.1	25.8	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

18/4/24

Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20L105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	22/4	06:50			
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.04	4.00	2127	0	
Bump Test Reading:	7.01	4.02	2161	0.02	
Bump Test Temperature:	13.7	13.7	13.8	13.7	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

22 - 4 — Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20D122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	22-4-24 06:50				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.04	4.00	2127	0	
Bump Test Reading:	7.04	4.01	2147	0.02	
Bump Test Temperature:	13.7	13.7	13.8	13.7	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

7

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

22-4 — Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20L105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	23-4 06:50				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.01	7.00	2760	0	
Bump Test Reading:	4.04	7.02	2801	0.03	
Bump Test Temperature:	25.1	25.1	25.1	25.1	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

7

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

23/4/24

Date

Distribution: Project Central File

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ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20B122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:			23-4	06.50	
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.01	7.00	2760	0.0	
Bump Test Reading:	4.02	7.02	2790	0.04	
Bump Test Temperature:	25.0	25.1	25.5	25.1	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

23/4/24 — Date

Distribution: Project Central File

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FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20L105295

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	24-4 07:05				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.00	4.00	2391	0.0	
Bump Test Reading:	7.06	4.04	2411	0.03	
Bump Test Temperature:	18.4	18.4	18.4	18.4	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

24-4 — Date

Distribution: Project Central File

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ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Quattro
Serial Number:	20B122031

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:			24/4 07:10		
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.02	4.00	2391	0.0	
Bump Test Reading:	7.07	4.02	2444	0.02	
Bump Test Temperature:	18.3	18.4	18.4	18.4	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

7

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

24/4 — Date

Distribution: Project Central File

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ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Plus
Serial Number:	~~BNA~~ 21A103776

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:	29/7/24 7:35				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.0	7.0	2496	0	
Calibration Reading:	4.0	7.0	~~2496~~ 2492	0	
Calibration Temperature:	18.5	19.1	~~20.1~~ 20.1	20.1	

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	7:40 29/7/24				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.0	7.0	2496	0	
Bump Test Reading:	4.1	7.09	2501	0	
Bump Test Temperature:	18.5	19.1	20.1	20.0	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☐ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Project Central File Signature

29/7/24 — Date

Distribution: Project Central File

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM Scientific
Make and Model:	YSI Pro Plus
Serial Number:	21A103776

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:	30/7/24				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	30/7/24 7:35am				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.02	4.0	2444	0	
Bump Test Reading:	7.10	4.04	2439	0	
Bump Test Temperature:	18.8	18.9	19.0	19.2	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☐ Each individual Inst[redacted]alibrated daily and bump tested as required by fieldwork staff.

[redacted] 30/7/24

Date

Distribution: Project [redacted]

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM YSI Pro
Make and Model:	YSI Pro Plus
Serial Number:	21A103776

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:	31/7/24				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	31/7/24 8:05am				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.02	4.00	2444	0	
Bump Test Reading:	7.00	4.03	2440	0	
Bump Test Temperature:	18.7	18.9	18.7	18.8	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☐ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] 31/7/24

Date

Distribution: Project Central File

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	[redacted]	**Project Number:**	[redacted]
Project Location:		**Client:**	
PM Name:		**Fieldwork Staff Name:**	

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Plus
Serial Number:	21A103776

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:	2/8/24				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	2/8/24 8:40am				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.02	4.00	2444	0	
Bump Test Reading:	7.04	4.04	2440	0	
Bump Test Temperature:	18.8	18.9	19.1	19.1	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☐ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] 2/8/24
Date

Distribution: Project Central File

Appendix D

Analytical Data Validation

DATA VALIDATION REPORT

Project number:	60612562	Validation by:	BY/SH/JR	Date:	09/09/2024
Client:	Department of Defence	Data verified by:	ST	Date:	10/09/2024
Site:	RAAF Base Williamtown				
Matrix type:	Groundwater, Surface Water and Sediment				
Primary samples:	139 Groundwater samples (including resampling), 24 Surface Water samples and 26 Sediment samples				
Laboratory:	Primary: ALS, Secondary: Envirolab				
Lab reference:	ALS: ES2413422, ES2413423, ES2413424, ES2413425, ES2413427, ES2413429, ES2413430, ES2413431, ES2413432, ES2413433, ES2413434, ES2413435, ES2413562, ES2415053, ES2415054, ES2424957, ES2425225. Envirolab: 349756, 358167.				
Key Issues:	No QA/QC issues were identified in the field or laboratory datasets that could have a material implication to decision-making on the project.				

Field Quality Assurance and Quality Control

Field DQOs and DQIs

The data quality objectives (DQOs) and data quality indicators (DQIs) adopted for these works are presented in the SAQP (AECOM, 2024).

Sampling personnel

The main sampling event was conducted between 15/04/2024 and 24/04/2024 by suitably qualified and experienced AECOM Environmental Scientists and Engineers. Additional mobilisations were undertaken by the same team on the following dates:

- 09/05/2024 (sampling MW731D and POT144),
- 31/07/2024 (resampling MW155, MW159D/S, MW241D/S, MW844); and
- 02/08/2024 (sampling MW731S).

Sampling Methodology

All water and sediment samples were collected in accordance with the methodology outlined in the SAQP (AECOM, 2024), with the exception of MW245S which was sampled with a bailer as a result of a HydraSleeve™ non-deployment.

After each sample was collected, reusable equipment was decontaminated using Liquinox and potable water, and the consumables (nitrile gloves and HydraSleeve™ material) were disposed of in waste bins.

Chain of Custody (COC)

All samples collected were reported on the Chain of Custody documents (COC) and subsequent email amendments and analysed for requested analytes.

Rinsate Blank

Rinsate blank samples were collected at a frequency of 1 per day of sampling per sampling team where equipment was re-used and decontaminated between sample points (a total of nine samples were collected). Rinsate blank samples were either collected from the final rinse of the interface probe or the trowel, using laboratory-supplied de-ionised water.

Frequency of field QC

Field duplicates (intra-laboratory duplicates) were collected at the required frequency of 1 in 10 primary samples (10%), for water and soil samples collectively. Field triplicates (inter-laboratory duplicates) were collected marginally below the required frequency of 1 in 10 primary samples (10%), for water and soil samples collectively due to field error. Overall, 19 field duplicates and 18 field triplicates were collected for 189 primary samples, these comprised:

- 17 water field duplicates and 16 water field triplicates were collected for 163 primary water samples (10.4% and 9.8% frequency, respectively).
- 2 sediment field duplicates and 2 sediment field triplicates were collected for 26 primary sediment samples in total (13% frequency for both).

The precision of the data can be assessed as acceptable based on the available intra-laboratory duplicate RPDs and the laboratory duplicate RPDs which were reported at or above the required frequencies and within control limits.

Handling and preservation	All samples were received at the primary laboratory and secondary laboratory in appropriate containers with temperatures between 0.9°C to 3.2°C (with ice present), within the recommended temperature range (<6°C).
Calibration of equipment	Measurements of water geochemical parameters were undertaken using YSI Professional Plus water quality meters, which were calibrated by the supplier prior to use, in accordance with the manufacturer's instructions and bump tested daily by the field personnel. Measurements of depth to groundwater were undertaken using interface probes, which were serviced by the supplier prior to use. All equipment calibration and service certificates are presented in Appendix C.
Laboratory QA/QC	
Laboratory DQOs and DQIs	The data quality objectives (DQOs) and data quality indicators (DQIs) adopted for these works are presented in the SAQP (AECOM, 2024).
Tests requested/reported	All samples were analysed for per- and polyfluoroalkyl substances (PFAS) extended suite, at the standard level of detection. All sample requests for analysis are reported on the Chain of Custody (COC) and subsequent email amendments.
Holding time compliance	All samples were extracted and analysed by the laboratory within the recommended holding times.
Laboratory accreditation	The primary laboratory analysis was conducted by ALS Environmental Pty Ltd (Sydney) a National Association of Testing Authorities (NATA) accredited laboratory (Accreditation No. 825). The secondary samples were analysed at Envirolab Services, also a NATA accredited laboratory (accreditation number 2901).
Frequency of laboratory QC	The primary laboratory ALS reported a sufficient frequency of quality control samples to assess whether the results have been reported with acceptable accuracy and precision.
Method Blank	All method blank concentrations were reported <LOR (limit of reporting) for the analytes tested, meeting the project requirements. This is presented in the Quality Control Reports for both laboratories.
Laboratory duplicate RPDs	The reported laboratory duplicate's Relative Percentage Differences (RPDs) were within laboratory control limits. The laboratory duplicate RPDs are presented in the Quality Control Reports for both laboratories.
LCS recovery	Laboratory control spike (LCS) recoveries were within control limits. This is presented in the Quality Control Reports for both laboratories.
Matrix spike recovery	Matrix spike (MS) recoveries were reported within control limits, with the exception of matrix spike recoveries that were not determined for the following: • ES2413427: Perfluorohexane sulfonic acid (PFHxS), Anonymous • ES2413427: Perfluorooctane sulfonic acid (PFOS), Anonymous, 0908_MW201D_240417 • ES2413427: Perfluorohexanoic acid (PFHxA), Anonymous • ES2413562: PFHxS, 0908_SD001_240424 • ES2413562: PFOS, 0908_SD001_240424, 0908_SW009_240422 • ES2413423: PFHxS, Anonymous • ES2413423: PFOS, Anonymous • ES2413423: PFHxA, Anonymous • ES2413422: PFHxS, 0908_MW104S_240424

- ES2413422: PFOS, 0908_MW104S_240424
- ES2413422: PFHxA, 0908_MW104S_240424
- ES2413425: PFHxS, Anonymous
- ES2413425: PFOS, Anonymous
- ES2413425: PFHxA, Anonymous
- ES2413424: PFHxS, Anonymous
- ES2413424: PFOS, Anonymous
- ES2413424: PFHxA, Anonymous

These non-determinations were due to background levels being greater than or equal to four times spike levels, which do not reflect method bias or affect data interpretation.

Surrogate spike recovery — The reported surrogate spike recoveries were within laboratory control limits.

QA/QC Data Evaluation

Comparison of Field Observations and Laboratory Results — No anomalies between field observations and analytical results were noted.

Anomalous data — Resampling was conducted at monitoring wells MW155, MW159D, MW159S, MW241D, MW241S and MW844 in July 2024, following the initial reporting of PFAS concentrations outside of historical ranges. The resampling results from July 2024 confirmed that the originally reported result from April 2024 (see table below) were anomalous and therefore are not used in this report. The reason for the discrepancies is unknown.

Location Code	Date	Perfluoro-octanoic acid (PFOA) Result	PFOS Result	PFHxS Result	PFOS+PFHxS Result
MW155	17 Apr 2024	0.10	0.38	2.58	2.96
	31 Jul 2024	0.02	0.55	0.21	0.76
MW159S	22 Apr 2024	<0.01	0.09	0.04	0.13
	31 Jul 2024	0.02	<0.01	0.02	0.02
MW159D	22 Apr 2024	0.09	0.35	2.19	2.54
	31 Jul 2024	<0.01	<0.01	<0.01	<0.01
MW241D	23 Apr 2024	<0.01	0.01	<0.01	0.01
	31 Jul 2024	<0.01	<0.01	<0.01	<0.01
MW241S	23 Apr 2024	<0.01	<0.01	0.01	0.01
	31 Jul 2024	<0.01	<0.01	<0.01	<0.01
MW844	23 Apr 2024	<0.01	0.02	<0.01	0.02
	31 Jul 2024	<0.01	<0.01	<0.01	<0.01

Note: the sample results are still available in the Defence database with a note to indicate that they are anomalous, and that resampling was undertaken in July 2024.

Data transcription — A check of the laboratory results identified no anomalies within the electronic data, the laboratory reports, and the tables generated by AECOM.

Limits of reporting — With the exception of the PFAS NEMP Freshwater 99% species protection (HEPA 2020) values for PFOS, the laboratory LORs were sufficiently low to enable assessment against adopted guideline criteria.

Rinsate Blank sample results — The concentrations of PFAS in the Rinsate Blank samples (Table D3) were below the LOR, indicating decontamination procedures were adequate.

DATA VALIDATION REPORT

RPDs for Field Duplicates / Triplicates	RPDs for field duplicates (intra-laboratory duplicates) and triplicates (inter-laboratory duplicates) were reported within acceptable limits (≤30%, or ≤50% for results 10-20 x LOR, or No Limit for results <10 x LOR) (see Table D1 and Table D2), with the exception of: Intra-laboratory duplicates (Field Duplicates) RPDs • MW897D/QC111: 40% PFOS. Inter-laboratory duplicates (Field Triplicates) RPDs • SD005/QC205: 34% for PFOS. The elevated RPDs were marginally above acceptable limits and within the same order of magnitude, and therefore considered acceptable. Where required for quantitative purposes, the highest concentrations from the primary and duplicate pairs were used in the report.
Overall Assessment	
	Data validation procedure employed in the assessment of the field and laboratory QA/QC data indicated that the reported analytical results are representative of the sample locations and that the overall quality of the analytical data produced is acceptably reliable for the purpose of this report.

Attached:
Table D1 – Water Duplicate RPDs
Table D2 – Soil and Sediment Duplicate RPDs
Table D3 – Rinsate Blank Results

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413427	ES2413427		ES2413427	349756		ES2413427	ES2413427		ES2413427	349756	
Field ID				0908_MW256D_240415	0908_QC100_240415		0908_MW256D_240415	0908_QC200_240415		0908_MW121_240416	0908_QC101_240416		0908_MW121_240416	0908_QC201_240416	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				15 Apr 2024	15 Apr 2024	RPD	15 Apr 2024	15 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD
	Unit	LOR	**RPD**												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		<0.01	0.01	nc	<0.01	<0.01	nc	0.05	0.06	18	0.05	0.04	22
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	0.02	0.02	0	0.02	0.01	67
Sum of PFHxS and PFOS	µg/L	0.01		<0.01	0.01	nc	<0.01	<0.01	nc	0.07	0.08	13	0.07	0.05	33
Sum of PFAS	µg/L	0.01		<0.01	0.01	nc	<0.01	<0.01	nc	0.07	0.08	13	0.07	0.05	33
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413427	ES2413427		ES2413427	349756		ES2413427	ES2413427		ES2413427	349756	
Field ID				0908_MW126D_240416	0908_QC102_240416		0908_MW126D_240416	0908_QC202_240416		0908_MW126S_240416	0908_QC104_240416		0908_MW126S_240416	0908_QC204_240416	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD
	Unit	LOR	**RPD**												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	0.16	0.13	21	0.16	0.17	6
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		<0.01	0.01	nc	<0.01	<0.01	nc	2.57	3.25	23	2.57	2.8	9
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	3.54	3.38	5	3.54	3.4	4
Sum of PFHxS and PFOS	µg/L	0.01		<0.01	0.01	nc	<0.01	<0.01	nc	6.11	6.63	8	6.11	6.2	1
Sum of PFAS	µg/L	0.01		<0.01	0.01	nc	<0.01	<0.01	nc	8.24	8.68	5	8.24	8.3	1
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.26	0.25	4	0.26	0.27	4
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.3	0.27	11	0.3	0.28	7
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.38	0.43	12	0.38	0.37	3
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	0.07	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	0.12	0.08	40	0.12	0.1	18
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.68	0.66	3	0.68	0.74	8
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.09	0.08	12	0.09	0.09	0
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413562	ES2413562		ES2413562	349756		ES2413427	ES2413427		ES2413427	349756		
Field ID				0908_SW005_240416	0908_QC103_240416		0908_SW005_240416	0908_QC203_240416		0908_MW255D_240416	0908_QC106_240416		0908_MW255D_240416	0908_QC206_240416		
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water		
Date				16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	
	Unit	LOR	**RPD**													
PFAS																
Perfluorooctanoic acid (PFOA)	µg/L	0.01		0.01	0.01	0	0.01	0.02	67	<0.01	<0.01	nc	<0.01	<0.01	nc	
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		0.66	0.8	19	0.66	0.86	26	<0.01	<0.01	nc	<0.01	<0.01	nc	
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.16	0.16	0	0.16	0.21	27	<0.01	<0.01	nc	<0.01	<0.01	nc	
Sum of PFHxS and PFOS	µg/L	0.01		0.82	0.96	16	0.82	1.1	29	<0.01	<0.01	nc	<0.01	<0.01	nc	
Sum of PFAS	µg/L	0.01		0.87	1.02	16	0.87	1.2	**32**	<0.01	<0.01	nc	<0.01	<0.01	nc	
PFAS - Perfluoroalkyl Sulfonic Acids																
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	0.02	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
PFAS - Perfluoroalkyl Carboxylic Acids																
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc	
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		0.04	0.05	22	0.04	0.06	40	<0.02	<0.02	nc	<0.02	<0.01	nc	
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc	
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc	
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc	
PFAS - (n:2) Fluorotelomer Sulfonic Acids																
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc	
PFAS - Perfluoroalkyl Sulfonamides																
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc	

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413427	ES2413427		ES2413427	349756		ES2413427	ES2413427		ES2413427	349756	
Field ID				0908_MW342D_240418	0908_QC107_240418		0908_MW342D_240418	0908_QC207_240418		0908_MW340S_240418	0908_QC109_240418		0908_MW340S_240418	0908_QC209_240418	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				18 Apr 2024	18 Apr 2024	RPD	18 Apr 2024	18 Apr 2024	RPD	18 Apr 2024	18 Apr 2024	RPD	18 Apr 2024	18 Apr 2024	RPD
	Unit	LOR	**RPD**												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	0.01	<0.01	nc	0.01	<0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		0.14	0.19	30	0.14	0.14	0	0.02	0.02	0	0.02	0.01	67
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.16	0.16	0	0.16	0.18	12	0.92	0.86	7	0.92	0.85	8
Sum of PFHxS and PFOS	µg/L	0.01		0.3	0.35	15	0.3	0.31	3	0.94	0.88	7	0.94	0.86	9
Sum of PFAS	µg/L	0.01		0.38	0.47	21	0.38	0.39	3	1.12	1.03	8	1.12	1	11
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		0.02	0.02	0	0.02	0.02	0	0.04	0.03	29	0.04	0.03	29
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		0.03	0.03	0	0.03	0.02	40	0.06	0.06	0	0.06	0.04	40
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	0.04	67	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		0.03	0.03	0	0.03	0.03	nc	0.07	0.06	15	0.07	0.08	13
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	0.01	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413427	ES2413427		ES2413427	349756		ES2413562	ES2413562		ES2413562	349756	
Field ID				0908_MW829_240422	0908_QC110_240422		0908_MW829_240422	0908_QC210_240422		0908_SW009_240422	0908_QC112_240422		0908_SW009_240422	0908_QC212_240422	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				22 Apr 2024	22 Apr 2024	RPD	22 Apr 2024	22 Apr 2024	RPD	22 Apr 2024	22 Apr 2024	RPD	22 Apr 2024	22 Apr 2024	RPD
	Unit	LOR	**RPD**												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	0.03	0.03	0	0.03	0.04	29
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		0.02	0.04	67	0.02	0.03	40	1.53	1.42	7	1.53	1.5	2
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.02	0.02	0	0.02	0.02	0	0.39	0.36	8	0.39	0.44	12
Sum of PFHxS and PFOS	µg/L	0.01		0.04	0.06	40	0.04	0.06	40	1.92	1.78	8	1.92	1.9	1
Sum of PFAS	µg/L	0.01		0.04	0.06	40	0.04	0.06	40	2.12	1.96	8	2.12	2.2	4
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	0.02	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.03	0.03	nc	0.03	0.03	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.04	0.04	nc	0.04	0.04	0
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	0.02	<0.02	nc	0.02	0.03	40
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	0.08	0.08	nc	0.08	0.1	22
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	0.02	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413427	ES2413427		ES2413427	349756		ES2413427	ES2413427		ES2413427	349756	
Field ID				0908_MW897D_240424	0908_QC111_240424		0908_MW897D_240424	0908_QC211_240424		0908_MW897S_240424	0908_QC113_240424		0908_MW897S_240424	0908_QC213_240424	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				24 Apr 2024	24 Apr 2024	RPD	24 Apr 2024	24 Apr 2024	RPD	24 Apr 2024	24 Apr 2024	RPD	24 Apr 2024	24 Apr 2024	RPD
	Unit	LOR	**RPD**												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		0.5	0.75	**40**	0.5	0.55	10	0.22	0.26	17	0.22	0.2	10
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.08	0.07	13	0.08	0.09	12	0.04	0.04	0	0.04	0.03	29
Sum of PFHxS and PFOS	µg/L	0.01		0.58	0.82	**34**	0.58	0.63	8	0.26	0.3	14	0.26	0.23	12
Sum of PFAS	µg/L	0.01		0.58	0.85	**38**	0.58	0.65	11	0.26	0.3	14	0.26	0.27	4
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	0.02	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	0.03	40	<0.02	0.02	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	0	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	0.02	nc
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413427	ES2413427		ES2413427	349756		ES2413427	ES2413427		ES2413427	ES2413427	
Field ID				0908_MW130S_240424	0908_QC114_240424		0908_MW130S_240424	0908_QC214_240424		0908_MW130D_240424	0908_QC116_240424		0908_MW252S_240424	0908_QC115_240424	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				24 Apr 2024	24 Apr 2024	RPD	24 Apr 2024	24 Apr 2024	RPD	24 Apr 2024	24 Apr 2024	RPD	24 Apr 2024	24 Apr 2024	RPD
	Unit	LOR	**RPD**												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	0.6	0.63	5
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	0.01	<0.01	nc	0.41	0.47	14
Sum of PFHxS and PFOS	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	0.01	<0.01	nc	1.01	1.1	9
Sum of PFAS	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	0.01	<0.01	nc	1.08	1.19	10
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	0.03	0.03	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.1	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	0.04	0.05	22
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.05	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

Lab Report Number				ES2413427	349756		ES2424957	ES2424957		ES2424957	358167		ES2424957	ES2424957		
Field ID				0908_MW252S_240424	0908_QC215_240424		0908_MW159D_240731	0908_QC100_240731		0908_MW159D_240731	0908_QC200_240731		0908_MW155_240731	0908_QC101_240731		
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water		
Date				24 Apr 2024	24 Apr 2024	RPD	31 Jul 2024	31 Jul 2024	RPD	31 Jul 2024	31 Jul 2024	RPD	31 Jul 2024	31 Jul 2024	RPD	
	Unit	LOR	**RPD**													
PFAS																
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	0.02	0.02	0	
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		0.6	0.59	2	<0.01	<0.01	nc	<0.01	<0.01	nc	0.55	0.56	2	
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.41	0.45	9	<0.01	<0.01	nc	<0.01	<0.01	nc	0.21	0.17	21	
Sum of PFHxS and PFOS	µg/L	0.01		1.01	1	1	<0.01	<0.01	nc	<0.01	<0.01	nc	0.76	0.73	4	
Sum of PFAS	µg/L	0.01		1.08	1.2	11	<0.01	<0.01	nc	<0.01	<0.01	nc	0.82	0.8	2	
PFAS - Perfluoroalkyl Sulfonic Acids																
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	0.02	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		0.03	0.03	0	<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	0.02	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
PFAS - Perfluoroalkyl Carboxylic Acids																
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	0.02	0.02	0	
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		0.04	0.05	22	<0.02	<0.02	nc	<0.02	<0.01	nc	0.02	0.03	40	
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	
PFAS - (n:2) Fluorotelomer Sulfonic Acids																
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	
PFAS - Perfluoroalkyl Sulfonamides																
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Water Duplicate RPDs

			Lab Report Number	ES2424957	358167	
			Field ID	0908_MW155_240731	0908_QC201_240731	
			Matrix Type	Water	Water	
			Date	31 Jul 2024	31 Jul 2024	RPD
	Unit	LOR	**RPD**			
PFAS						
Perfluorooctanoic acid (PFOA)	µg/L	0.01		0.02	0.02	0
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		0.55	0.45	20
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.21	0.19	10
Sum of PFHxS and PFOS	µg/L	0.01		0.76	0.65	16
Sum of PFAS	µg/L	0.01		0.82	0.78	5
PFAS - Perfluoroalkyl Sulfonic Acids						
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.01	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	0.01	0
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	0.01	0
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids						
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		0.02	0.03	40
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		0.02	0.02	0
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	0.02	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids						
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides						
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LC
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D2 - Soil Duplicate RPDs

Lab Report Number				ES2413562	ES2413562		ES2413562	349756		ES2413562	ES2413562		ES2413562	349756	
Field ID				0908_SD005_240416	0908_QC105_240416		0908_SD005_240416	0908_QC205_240416		0908_SD023_240416	0908_QC108_240416		0908_SD023_240416	0908_QC208_240416	
Matrix Type				Soil	Soil		Soil	Soil		Soil	Soil		Soil	Soil	
Date				16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD	16 Apr 2024	16 Apr 2024	RPD
	Unit	LOR	**RPD**												
PFAS															
Perfluorooctanoic acid (PFOA)	mg/kg	0.0001		0.0002	<0.0002	nc	0.0002	<0.0004	nc	<0.0002	<0.0002	nc	<0.0002	<0.0004	nc
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0001		0.0069	0.0081	16	0.0069	0.0097	**34**	0.0269	0.0249	8	0.0269	0.025	7
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0001		0.0003	0.0004	29	0.0003	0.0006	67	0.0021	0.0017	21	0.0021	0.0014	40
Sum of PFHxS and PFOS	mg/kg	0.0001		0.0072	0.0085	17	0.0072	0.01	**33**	0.0290	0.0266	9	0.0290	0.027	7
Sum of PFAS	mg/kg	0.0001		0.0074	0.0087	16	0.0074	0.01	30	0.0290	0.0268	8	0.0290	0.027	7
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0004	nc	<0.0002	<0.0002	nc	<0.0002	<0.0004	nc
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0004	nc	<0.0002	<0.0002	nc	<0.0002	<0.0004	nc
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0004	nc	<0.0002	0.0002	nc	<0.0002	<0.0004	nc
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0008	nc	<0.0002	<0.0002	nc	<0.0002	<0.0008	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	mg/kg	0.0002		<0.001	<0.001	nc	<0.001	<0.0008	nc	<0.001	<0.001	nc	<0.001	<0.0008	nc
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0008	nc	<0.0002	<0.0002	nc	<0.0002	<0.0008	nc
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0004	nc	<0.0002	<0.0002	nc	<0.0002	<0.0004	nc
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0004	nc	<0.0002	<0.0002	nc	<0.0002	<0.0004	nc
Perfluorononanoic acid (PFNA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0004	nc	<0.0002	<0.0002	nc	<0.0002	<0.0004	nc
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.002	nc	<0.0002	<0.0002	nc	<0.0002	<0.002	nc
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.002	nc	<0.0002	<0.0002	nc	<0.0002	<0.002	nc
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.002	nc	<0.0002	<0.0002	nc	<0.0002	<0.002	nc
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002		<0.0002	0.0002	nc	<0.0002	<0.002	nc	<0.0002	<0.0002	nc	<0.0002	<0.002	nc
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.02	nc	<0.0005	<0.0005	nc	<0.0005	<0.02	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0001		<0.0005	<0.0005	nc	<0.0005	<0.0004	nc	<0.0005	<0.0005	nc	<0.0005	<0.0004	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0001		<0.0005	<0.0005	nc	<0.0005	<0.0004	nc	<0.0005	<0.0005	nc	<0.0005	<0.0004	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0002		<0.0005	<0.0005	nc	<0.0005	<0.0008	nc	<0.0005	<0.0005	nc	<0.0005	<0.0008	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0002		<0.0005	<0.0005	nc	<0.0005	<0.0008	nc	<0.0005	<0.0005	nc	<0.0005	<0.0008	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.004	nc	<0.0002	<0.0002	nc	<0.0002	<0.004	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.004	nc	<0.0005	<0.0005	nc	<0.0005	<0.004	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0008	nc	<0.0002	<0.0002	nc	<0.0002	<0.0008	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.004	nc	<0.0005	<0.0005	nc	<0.0005	<0.004	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.004	nc	<0.0005	<0.0005	nc	<0.0005	<0.004	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0008	nc	<0.0002	<0.0002	nc	<0.0002	<0.0008	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.02	nc	<0.0005	<0.0005	nc	<0.0005	<0.02	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are below the LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D3 - Rinsate Blank Results

	Lab Report Number		ES2413427	ES2413427	ES2413427	ES2413427	ES2413427	ES2413427	ES2413427	ES2413427	ES2424957
	Field ID		0908_QC300_240415	0908_QC301_240416	0908_QC302_240417	0908_QC303_240418	0908_QC304_240419	0908_QC305_240422	0908_QC306_240423	0908_QC307_240424	0908_QC300_240731
	Matrix Type		Water	Water	Water	Water	Water	Water	Water	Water	Water
	Date		15 Apr 2024	16 Apr 2024	17 Apr 2024	18 Apr 2024	19 Apr 2024	22 Apr 2024	23 Apr 2024	24 Apr 2024	31 Jul 2024
	Unit	LOR									
PFAS											
Perfluorooctanoic acid (PFOA)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFAS	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PFAS - Perfluoroalkyl Sulfonic Acids											
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
PFAS - Perfluoroalkyl Carboxylic Acids											
Perfluorobutanoic acid (PFBA)	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorononanoic acid (PFNA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PFAS - (n:2) Fluorotelomer Sulfonic Acids											
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PFAS - Perfluoroalkyl Sulfonamides											
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Notes
LOR = Limit of Reporting

Appendix E

Laboratory Certificates

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413422**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	[redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66317	Issue Date	: 02-May-2024 15:04
Sampler	: [redacted]		
Site	: Offsite 10		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 4		
No. of samples analysed	: 4		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW104D_240424	0908_MW104S_240424	0908_MW184D_240424	0908_MW184S_240424	----
				Sampling date / time	24-Apr-2024 10:18	24-Apr-2024 10:27	24-Apr-2024 10:50	24-Apr-2024 11:00	----
Compound	CAS Number	LOR	Unit		ES2413422-001	ES2413422-002	ES2413422-003	ES2413422-004	--------
					Result	Result	Result	Result	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.41**	**0.35**	**0.12**	**0.03**	**----**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.63**	**0.68**	**0.16**	**0.03**	**----**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**5.58**	**7.06**	**1.56**	**0.34**	**----**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**1.05**	**0.32**	**0.16**	**0.03**	**----**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**36.4**	**3.65**	**5.87**	**1.82**	**----**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		**0.05**	<0.02	<0.02	<0.02	**----**
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		**0.2**	**0.2**	<0.1	<0.1	**----**
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.23**	**0.31**	**0.06**	<0.02	**----**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**1.65**	**1.31**	**0.40**	<0.02	**----**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.24**	**0.21**	**0.07**	<0.02	**----**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.66**	**0.38**	**0.18**	**0.01**	**----**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**----**
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**----**
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**----**
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**----**
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**----**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	**----**
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**----**
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	**----**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW104D_240424	0908_MW104S_240424	0908_MW184D_240424	0908_MW184S_240424	----
				Sampling date / time	24-Apr-2024 10:18	24-Apr-2024 10:27	24-Apr-2024 10:50	24-Apr-2024 11:00	----
Compound	CAS Number	LOR	Unit		ES2413422-001	ES2413422-002	ES2413422-003	ES2413422-004	--------
					Result	Result	Result	Result	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**47.7**	**14.6**	**8.66**	**2.26**	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**42.0**	**10.7**	**7.43**	**2.16**	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**45.4**	**13.5**	**8.26**	**2.20**	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**97.4**	**93.7**	**94.9**	**86.7**	----
13C8-PFOA	----	0.02	%		**104**	**105**	**106**	**102**	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413422**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66317	Issue Date	: 02-May-2024
Sampler	: [redacted]		
Site	: Offsite 10		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 4		
No. of samples analysed	: 4		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	0908_MW104D_240424	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.58	5.41	3.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	36.4	36.6	0.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.41	0.41	0.0	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.63	0.70	9.6	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	1.05	1.12	7.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	0.05	0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.51	1.62	6.9	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.84	0.89	5.8	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.08	0.09	12.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.11	0.11	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.07	0.08	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345)									
ES2413422-001	0908_MW104D_240424	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.66	0.67	2.2	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.23	0.24	4.5	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.65	1.73	4.6	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.24	0.25	4.8	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345) - continued									
ES2413422-001	0908_MW104D_240424	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.2	0.2	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.06	0.07	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.18	0.19	7.1	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5756345)									
ES2413422-001	0908_MW104D_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	0908_MW104D_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5756345)									
ES2413422-001	0908_MW104D_240424	EP231X: Sum of PFAS	----	0.01	µg/L	47.7	48.0	0.6	0% - 20%
ES2413427-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.95	3.17	7.2	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	93.2	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	117	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	100	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	100	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	89.8	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	98.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	96.6	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	101	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	108	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	103	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	107	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	116	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	120	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	119	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	116	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	85.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	90.1	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	90.1	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	117	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	100	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.2	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	81.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	0908_MW104S_240424	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	106	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	96.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	# Not Determined	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	80.2	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	86.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)							
ES2413422-002	0908_MW104S_240424	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	101	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	109	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	# Not Determined	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	96.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	103	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	114	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	120	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	105	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	126	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)							
ES2413422-002	0908_MW104S_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	118	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	124	68.0	141

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345) - continued							
ES2413422-002	0908_MW104S_240424	EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	123	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	74.2	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	113	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	104	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	91.6	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	0908_MW104S_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	102	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	104	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	102	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	82.7	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413422**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 10	Issue Date	: 02-May-2024
Sampler	: [redacted]	No. of samples received	: 4
Order number	: 60612562_8.1	No. of samples analysed	: 4

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	0908_MW104S_240424	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	0908_MW104S_240424	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231B: Perfluoroalkyl Carboxylic Acids	ES2413422--002	0908_MW104S_240424	**Perfluorohexanoic acid (PFHxA)**	307-24-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_MW104D_240424,	0908_MW104S_240424,	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
0908_MW184D_240424,	0908_MW184S_240424							
EP231B: Perfluoroalkyl Carboxylic Acids								
HDPE (no PTFE) (EP231X)								
0908_MW104D_240424,	0908_MW104S_240424,	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
0908_MW184D_240424,	0908_MW184S_240424							
EP231C: Perfluoroalkyl Sulfonamides								
HDPE (no PTFE) (EP231X)								
0908_MW104D_240424,	0908_MW104S_240424,	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
0908_MW184D_240424,	0908_MW184S_240424							
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_MW104D_240424,	0908_MW104S_240424,	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
0908_MW184D_240424,	0908_MW184S_240424							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW104D_240424, 0908_MW104S_240424, 0908_MW184D_240424, 0908_MW184S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413422**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66317	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 10		
Sampler	[redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 4 / 4

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413422-001	24-Apr-2024 10:18	0908_MW104D_240424	✓
ES2413422-002	24-Apr-2024 10:27	0908_MW104S_240424	✓
ES2413422-003	24-Apr-2024 10:50	0908_MW184D_240424	✓
ES2413422-004	24-Apr-2024 11:00	0908_MW184S_240424	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) Email [redacted]

[redacted] Email

Email
Email
Email
Email
Email
Email
Email

Email
Email
Email
Email
Email
Email
Email

CHAIN OF CUSTODY

COC#: 66317 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 10

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW104D_240424		24/04/2024 10:18 AM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW104S_240424		24/04/2024 10:27 AM	WATER	ALS: 4 Non ALS: 0	No	X		
003	0908_MW184D_240424		24/04/2024 10:50 AM	WATER	ALS: 4 Non ALS: 0	No	X		
004	0908_MW184S_240424		24/04/2024 11:00 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division
Sydney
Work Order Reference
ES2413422

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 66317 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 10

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW104D_240424	HDPE (no PTFE)	20 mL	00352312028135	Grey	No	
001	0908_MW104D_240424	HDPE (no PTFE)	20 mL	00352312028572	Grey	No	
001	0908_MW104D_240424	HDPE (no PTFE)	20 mL	00352312028556	Grey	No	
001	0908_MW104D_240424	HDPE (no PTFE)	20 mL	00352312028004	Grey	No	
002	0908_MW104S_240424	HDPE (no PTFE)	20 mL	00352312028284	Grey	No	
002	0908_MW104S_240424	HDPE (no PTFE)	20 mL	00352312028369	Grey	No	
002	0908_MW104S_240424	HDPE (no PTFE)	20 mL	00352312028431	Grey	No	
002	0908_MW104S_240424	HDPE (no PTFE)	20 mL	00352312028515	Grey	No	
003	0908_MW184D_240424	HDPE (no PTFE)	20 mL	00352312028449	Grey	No	
003	0908_MW184D_240424	HDPE (no PTFE)	20 mL	00352312028570	Grey	No	
003	0908_MW184D_240424	HDPE (no PTFE)	20 mL	00352312028047	Grey	No	
003	0908_MW184D_240424	HDPE (no PTFE)	20 mL	00352312028003	Grey	No	
004	0908_MW184S_240424	HDPE (no PTFE)	20 mL	00352312028295	Grey	No	
004	0908_MW184S_240424	HDPE (no PTFE)	20 mL	00352312028396	Grey	No	
004	0908_MW184S_240424	HDPE (no PTFE)	20 mL	00352312028230	Grey	No	
004	0908_MW184S_240424	HDPE (no PTFE)	20 mL	00352312028173	Grey	No	

Total Bottle Count: ALS: 16, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413423**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66319	Issue Date	: 02-May-2024 15:05
Sampler	: [redacted]		
Site	: Offsite 9		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW271D_240424	0908_MW271S_240424	----	----	----
			Sampling date / time	24-Apr-2024 14:35	24-Apr-2024 14:25	----	----	----
Compound	CAS Number	LOR	Unit	ES2413423-001	ES2413423-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	**0.06**	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	**0.05**	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	**0.02**	**0.13**	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	**0.03**	<0.01	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	**0.02**	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	**0.14**	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW271D_240424	0908_MW271S_240424	----	----	----
				Sampling date / time	24-Apr-2024 14:35	24-Apr-2024 14:25	----	----	----
Compound	CAS Number	LOR	Unit		ES2413423-001	ES2413423-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.05**	**0.44**	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.05**	**0.13**	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.05**	**0.35**	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**91.2**	**102**	----	----	----
13C8-PFOA	----	0.02	%		**104**	**106**	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413423**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66319	Issue Date	: 02-May-2024
Sampler	: [redacted]		
Site	: Offsite 9		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

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Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

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The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

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Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.58	5.41	3.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	36.4	36.6	0.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.41	0.41	0.0	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.63	0.70	9.6	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	1.05	1.12	7.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	0.05	0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.51	1.62	6.9	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.84	0.89	5.8	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.08	0.09	12.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.11	0.11	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.07	0.08	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.66	0.67	2.2	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.23	0.24	4.5	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.65	1.73	4.6	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.24	0.25	4.8	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345) - continued									
ES2413422-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.2	0.2	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.06	0.07	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.18	0.19	7.1	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	47.7	48.0	0.6	0% - 20%
ES2413427-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.95	3.17	7.2	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	93.2	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	117	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	100	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	100	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	89.8	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	98.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	96.6	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	101	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	108	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	103	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	107	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	116	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	120	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	119	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	116	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	85.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	90.1	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	90.1	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	117	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	100	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.2	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	81.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	106	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	96.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	# Not Determined	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	80.2	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	86.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	101	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	109	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	# Not Determined	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	96.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	103	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	114	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	120	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	105	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	126	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	118	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	124	68.0	141

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345) - continued							
ES2413422-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	123	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	74.2	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	113	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	104	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	91.6	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	102	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	104	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	102	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	82.7	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413423**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 9	Issue Date	: 02-May-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231B: Perfluoroalkyl Carboxylic Acids	ES2413422--002	Anonymous	**Perfluorohexanoic acid (PFHxA)**	307-24-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_MW271D_240424,	0908_MW271S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids								
HDPE (no PTFE) (EP231X)								
0908_MW271D_240424,	0908_MW271S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides								
HDPE (no PTFE) (EP231X)								
0908_MW271D_240424,	0908_MW271S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_MW271D_240424,	0908_MW271S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231P: PFAS Sums								
HDPE (no PTFE) (EP231X)								
0908_MW271D_240424,	0908_MW271S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413423**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66319	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 9		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413423-001	24-Apr-2024 14:35	0908_MW271D_240424	✓
ES2413423-002	24-Apr-2024 14:25	0908_MW271S_240424	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	derp.labreports@esdat.com.au

[redacted]

- *AU Certificate of Analysis - NATA (COA)	Email	[redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

[redacted]

- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

COC#: 66319 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 9

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW271D_240424		24/04/2024 02:35 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW271S_240424		24/04/2024 02:25 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney
Work Order Reference
ES2413423

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 66319 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 9

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No ~~N/A~~

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW271D_240424	HDPE (no PTFE)	20 mL	00352312066109	Grey	No	
001	0908_MW271D_240424	HDPE (no PTFE)	20 mL	00352312066098	Grey	No	
001	0908_MW271D_240424	HDPE (no PTFE)	20 mL	00352312066002	Grey	No	
001	0908_MW271D_240424	HDPE (no PTFE)	20 mL	00352312066262	Grey	No	
002	0908_MW271S_240424	HDPE (no PTFE)	20 mL	00352312028159	Grey	No	
002	0908_MW271S_240424	HDPE (no PTFE)	20 mL	00352312028489	Grey	No	
002	0908_MW271S_240424	HDPE (no PTFE)	20 mL	00352312066083	Grey	No	
002	0908_MW271S_240424	HDPE (no PTFE)	20 mL	00352312066194	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

SAMPLE RECEIPT INFORMATION & BOTTLE TYPE

To be completed by Sample Receipt

WORKORDER No:

Courier Details (Mandatory for Quarantine)

Sorting Times	Temperature Details	Packaging		
(Only record for BP, Mobil)	Sample Temp:	**Security Seal Intact?**	**Packaging Type**	**No.**
Time Sorting Commenced:	Reading 26	**Tick below**	Hard Esky	7
	Reading- 52	☑ **YES** (Security seal intact)	Foam Esky	
Time Placed in Fridge:	Reading- 38	☐ **NO** (Security seal broken)	Box / bag	
	Average reading ……°C	☐ **N/A** (No security seal used)	By Hand	
Sorting to Fridge Target Time	Chilling Method:		Other	
< 1 hour	☑ Ice			
	☐ Ice Bricks			
	☐ No Chilling			

Carrier (circle): TOLL TNT ATC AaE/Startrack Aust Post

Other (specify) from Newcastle

Con Note:

ASS bags placed in freezer: ☐ No ☐ Yes ☐ N/A

Samples required for LTS: ☐ No ☐ Yes - use LTS trays and inform samples.sydney

Sample Receipt Advice Comments - To be completed by Sorting Staff

VOC analysis may be compromised as sample containers contained **headspace** (list sample numbers):

Details of any samples **damaged** during transit:

Other Information (eg. Were bottles received that weren't completely filled) (eg. If sample temperature is above 6'C add further detail here - Internal use only - Not for SRN):

Samples checked, labelled and put in trays by:

Esky Location:

☐ Mobile Coolroom

☐ Trolley (specify colour)

☐ SR bench

☐ SR fridge

☐ Other (specify)

Tray Numbers:

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413424**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66325	Issue Date	: 02-May-2024 15:04
Sampler	: [redacted]		
Site	: Offsite 11		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW230S_240423	----	----	----	----
				Sampling date / time	23-Apr-2024 14:27	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413424-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.02**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW230S_240423	----	----	----	----
				Sampling date / time	23-Apr-2024 14:27	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413424-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.02**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.02**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.02**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**94.8**	----	----	----	----
13C8-PFOA	----	0.02	%		**103**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413424**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66325	Issue Date	: 02-May-2024
Sampler	: [redacted]		
Site	: Offsite 11		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.58	5.41	3.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	36.4	36.6	0.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.41	0.41	0.0	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.63	0.70	9.6	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	1.05	1.12	7.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	0.05	0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.51	1.62	6.9	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.84	0.89	5.8	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.08	0.09	12.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.11	0.11	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.07	0.08	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.66	0.67	2.2	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.23	0.24	4.5	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.65	1.73	4.6	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.24	0.25	4.8	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345) - continued									
ES2413422-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.2	0.2	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.06	0.07	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.18	0.19	7.1	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	47.7	48.0	0.6	0% - 20%
ES2413427-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.95	3.17	7.2	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	93.2	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	117	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	100	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	100	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	89.8	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	98.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	96.6	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	101	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	108	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	103	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	107	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	116	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	120	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	119	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	116	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	85.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	90.1	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	90.1	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	117	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	100	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.2	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	81.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	106	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	96.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	# Not Determined	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	80.2	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	86.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	101	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	109	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	# Not Determined	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	96.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	103	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	114	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	120	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	105	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	126	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	118	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	124	68.0	141

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345) - continued							
ES2413422-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	123	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	74.2	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	113	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	104	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	91.6	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	102	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	104	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	102	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	82.7	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413424**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 11	Issue Date	: 02-May-2024
Sampler	: [redacted]	No. of samples received	: 1
Order number	: 60612562_8.1	No. of samples analysed	: 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231B: Perfluoroalkyl Carboxylic Acids	ES2413422--002	Anonymous	**Perfluorohexanoic acid (PFHxA)**	307-24-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW230S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_MW230S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_MW230S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW230S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_MW230S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413424**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66325	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 11		
Sampler	[redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413424-001	23-Apr-2024 14:27	0908_MW230S_240423	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

COC#: 66325 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 11

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW230S_240423		23/04/2024 02:27 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney

Work Order Reference

ES2413424

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

ALS COC#: 66325 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 11

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW230S_240423	HDPE (no PTFE)	20 mL	00352312028081	Grey	No	
001	0908_MW230S_240423	HDPE (no PTFE)	20 mL	00352312028275	Grey	No	
001	0908_MW230S_240423	HDPE (no PTFE)	20 mL	00352312028212	Grey	No	
001	0908_MW230S_240423	HDPE (no PTFE)	20 mL	00352312028104	Grey	No	

Total Bottle Count: ALS: 4, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413425**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66326	Issue Date	: 02-May-2024 15:04
Sampler	: [redacted]		
Site	: Offsite 8		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 3		
No. of samples analysed	: 3		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW231D_240423	0908_MW231S_240423	0908_POT382_240423	----	----
				Sampling date / time	23-Apr-2024 17:25	23-Apr-2024 16:53	23-Apr-2024 16:25	----	----
Compound	CAS Number	LOR	Unit		ES2413425-001	ES2413425-002	ES2413425-003	--------	--------
					Result	Result	Result	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	**0.01**	<0.01	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW231D_240423	0908_MW231S_240423	0908_POT382_240423	----	----
				Sampling date / time	23-Apr-2024 17:25	23-Apr-2024 16:53	23-Apr-2024 16:25	----	----
Compound	CAS Number	LOR	Unit		ES2413425-001	ES2413425-002	ES2413425-003	--------	--------
					Result	Result	Result	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**0.01**	<0.01	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**0.01**	<0.01	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**0.01**	<0.01	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**101**	**97.3**	**93.3**	----	----
13C8-PFOA	----	0.02	%		**102**	**105**	**101**	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413425**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66326	Issue Date	: 02-May-2024
Sampler	: [redacted]Offsite 8		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 3		
No. of samples analysed	: 3		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.58	5.41	3.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	36.4	36.6	0.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.41	0.41	0.0	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.63	0.70	9.6	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	1.05	1.12	7.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	0.05	0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.51	1.62	6.9	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.84	0.89	5.8	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.08	0.09	12.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.11	0.11	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.07	0.08	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.66	0.67	2.2	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.23	0.24	4.5	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.65	1.73	4.6	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.24	0.25	4.8	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345) - continued									
ES2413422-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.2	0.2	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.06	0.07	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.18	0.19	7.1	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	47.7	48.0	0.6	0% - 20%
ES2413427-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.95	3.17	7.2	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	93.2	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	117	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	100	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	100	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	89.8	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	98.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	96.6	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	101	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	108	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	103	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	107	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	116	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	120	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	119	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	116	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	85.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	90.1	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	90.1	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	117	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	100	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.2	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	81.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	106	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	96.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	# Not Determined	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	80.2	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	86.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	101	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	109	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	# Not Determined	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	96.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	103	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	114	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	120	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	105	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	126	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	118	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	124	68.0	141

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345) - continued							
ES2413422-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	123	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	74.2	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	113	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	104	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	91.6	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	102	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	104	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	102	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	82.7	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413425**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 8	Issue Date	: 02-May-2024
Sampler	: [redacted]	No. of samples received	: 3
Order number	: 60612562_8.1	No. of samples analysed	: 3

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231B: Perfluoroalkyl Carboxylic Acids	ES2413422--002	Anonymous	**Perfluorohexanoic acid (PFHxA)**	307-24-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids								
HDPE (no PTFE) (EP231X) 0908_MW231D_240423, 0908_POT382_240423	0908_MW231S_240423,	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids								
HDPE (no PTFE) (EP231X) 0908_MW231D_240423, 0908_POT382_240423	0908_MW231S_240423,	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides								
HDPE (no PTFE) (EP231X) 0908_MW231D_240423, 0908_POT382_240423	0908_MW231S_240423,	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE (no PTFE) (EP231X) 0908_MW231D_240423, 0908_POT382_240423	0908_MW231S_240423,	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW231D_240423, 0908_MW231S_240423, 0908_POT382_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413425**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	[redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66326	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 8		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 3 / 3

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413425-001	23-Apr-2024 17:25	0908_MW231D_240423	✓
ES2413425-002	23-Apr-2024 16:53	0908_MW231S_240423	✓
ES2413425-003	23-Apr-2024 16:25	0908_POT382_240423	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

COC#: 66326 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 8

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW231D_240423		23/04/2024 05:25 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW231S_240423		23/04/2024 04:53 PM	WATER	ALS: 4 Non ALS: 0	No	X		
003	0908_POT382_240423		23/04/2024 04:25 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney
Work Order Reference
ES2413425

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

ALS COC#: 66326 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 8

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW231D_240423	HDPE (no PTFE)	20 mL	00352312028048	Grey	No	
001	0908_MW231D_240423	HDPE (no PTFE)	20 mL	00352312028414	Grey	No	
001	0908_MW231D_240423	HDPE (no PTFE)	20 mL	00352312028499	Grey	No	
001	0908_MW231D_240423	HDPE (no PTFE)	20 mL	00352312028189	Grey	No	
002	0908_MW231S_240423	HDPE (no PTFE)	20 mL	00352312028210	Grey	No	
002	0908_MW231S_240423	HDPE (no PTFE)	20 mL	00352312028378	Grey	No	
002	0908_MW231S_240423	HDPE (no PTFE)	20 mL	00352312028091	Grey	No	
002	0908_MW231S_240423	HDPE (no PTFE)	20 mL	00352312028169	Grey	No	
003	0908_POT382_240423	HDPE (no PTFE)	20 mL	00352312028602	Grey	No	
003	0908_POT382_240423	HDPE (no PTFE)	20 mL	00352312028379	Grey	No	
003	0908_POT382_240423	HDPE (no PTFE)	20 mL	00352312028288	Grey	No	
003	0908_POT382_240423	HDPE (no PTFE)	20 mL	00352312028034	Grey	No	

Total Bottle Count: ALS: 12, Non ALS: 0

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413427**	Page	: 1 of 18
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: GW	Issue Date	: 11-Jul-2024
Sampler	: [redacted]	No. of samples received	: 133
Order number	: 60612562_8.1	No. of samples analysed	: 133

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413427--055	0908_MW201D_240417	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231B: Perfluoroalkyl Carboxylic Acids	ES2413422--002	Anonymous	**Perfluorohexanoic acid (PFHxA)**	307-24-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids - Continued							
0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids - Continued							
0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354_240418 - received as 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354_240418 - received as 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354_240418 - received as 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354_240418 - received as 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354_240418 - received as 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	18	165	**10.91**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	9	165	**5.45**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	9	165	**5.45**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	9	165	**5.45**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413427**	Page	: 1 of 57
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 65902	Issue Date	: 12-Jul-2024 11:18
Sampler	: [redacted]		
Site	: GW		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 133		
No. of samples analysed	: 133		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Amendment (12/07/2024): This report has been amended as a result of a request to change sample identification numbers (IDs) received from Sidnee Harris on 12/07/2024, for samples ES2413427-001 and 102. All analysis results are as per the previous report.
- Amendment (11/07/2024): This report has been amended to alter the sampling times for Sample ES2413427-010, 018, 019, 080, 081, 108, 131, and 132. All analysis results are as per the previous report.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW106D_240418	0908_MW106S_240419	0908_MW107D_240423	0908_MW107S_240423	0908_MW108D_240417
				Sampling date / time	19-Apr-2024 09:37	19-Apr-2024 09:28	23-Apr-2024 10:30	23-Apr-2024 10:30	17-Apr-2024 15:45
					ES2413427-001	ES2413427-002	ES2413427-003	ES2413427-004	ES2413427-005
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.08**	<0.02	<0.02	<0.02	**0.10**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.11**	<0.02	<0.02	<0.02	**0.17**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**1.51**	**0.10**	<0.01	<0.01	**1.48**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.07**	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.84**	**0.18**	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	**0.03**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.18**	<0.02	<0.02	<0.02	**0.15**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.04**	<0.02	<0.02	<0.02	**0.04**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.06**	**0.01**	<0.01	<0.01	**0.03**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW106D_240418	0908_MW106S_240419	0908_MW107D_240423	0908_MW107S_240423	0908_MW108D_240417
				Sampling date / time	19-Apr-2024 09:37	19-Apr-2024 09:28	23-Apr-2024 10:30	23-Apr-2024 10:30	17-Apr-2024 15:45
Compound	CAS Number	LOR	Unit		ES2413427-001	ES2413427-002	ES2413427-003	ES2413427-004	ES2413427-005
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.95**	**0.29**	<0.01	<0.01	**2.03**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.35**	**0.28**	<0.01	<0.01	**1.48**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**2.74**	**0.29**	<0.01	<0.01	**1.83**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**95.2**	**93.2**	**95.8**	**93.4**	**89.3**
13C8-PFOA	----	0.02	%		**102**	**99.8**	**101**	**102**	**103**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW108S_240417	0908_MW109D_240418	0908_MW118_240416	0908_MW121_240416	0908_MW122_240416
				Sampling date / time	17-Apr-2024 15:35	18-Apr-2024 10:30	16-Apr-2024 16:21	16-Apr-2024 09:24	16-Apr-2024 13:45
Compound	CAS Number	LOR	Unit		ES2413427-006	ES2413427-007	ES2413427-008	ES2413427-009	ES2413427-010
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.14**	**0.11**	<0.01	**0.02**	**0.01**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**2.06**	**1.16**	<0.01	**0.05**	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	**0.02**	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.01**	**0.01**	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW108S_240417	0908_MW109D_240418	0908_MW118_240416	0908_MW121_240416	0908_MW122_240416
				Sampling date / time	17-Apr-2024 15:35	18-Apr-2024 10:30	16-Apr-2024 16:21	16-Apr-2024 09:24	16-Apr-2024 13:45
Compound	CAS Number	LOR	Unit		ES2413427-006	ES2413427-007	ES2413427-008	ES2413427-009	ES2413427-010
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.24**	**1.30**	<0.01	**0.07**	**0.01**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.20**	**1.27**	<0.01	**0.07**	**0.01**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**2.21**	**1.30**	<0.01	**0.07**	**0.01**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**94.6**	**92.9**	**96.2**	**95.3**	**96.9**
13C8-PFOA	----	0.02	%		**105**	**102**	**104**	**102**	**101**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW123_240416	0908_MW125D_240416	0908_MW125S_240416	0908_MW126D_240416	0908_MW126S_240416
				Sampling date / time	16-Apr-2024 14:16	16-Apr-2024 12:43	16-Apr-2024 12:54	16-Apr-2024 10:00	16-Apr-2024 10:30
					ES2413427-011	ES2413427-012	ES2413427-013	ES2413427-014	ES2413427-015
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.26**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.30**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.05**	<0.01	<0.01	<0.01	**3.54**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.38**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.09**	**0.01**	<0.01	<0.01	**2.57**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.12**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.68**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.09**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	**0.16**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW123_240416	0908_MW125D_240416	0908_MW125S_240416	0908_MW126D_240416	0908_MW126S_240416
				Sampling date / time	16-Apr-2024 14:16	16-Apr-2024 12:43	16-Apr-2024 12:54	16-Apr-2024 10:00	16-Apr-2024 10:30
Compound	CAS Number	LOR	Unit		ES2413427-011	ES2413427-012	ES2413427-013	ES2413427-014	ES2413427-015
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.14**	**0.01**	<0.01	<0.01	**8.24**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.14**	**0.01**	<0.01	<0.01	**6.11**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.14**	**0.01**	<0.01	<0.01	**7.42**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**96.6**	**102**	**95.7**	**102**	**94.8**
13C8-PFOA	----	0.02	%		**107**	**103**	**105**	**104**	**105**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW128D_240416	0908_MW128S_240416	0908_MW130D_240424	0908_MW130S_240424	0908_MW132D_240422
				Sampling date / time	16-Apr-2024 10:30	16-Apr-2024 10:35	24-Apr-2024 09:41	24-Apr-2024 09:37	22-Apr-2024 14:10
					ES2413427-016	ES2413427-017	ES2413427-018	ES2413427-019	ES2413427-020
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	**0.01**	<0.01	**0.23**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.08**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	**0.94**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	**0.02**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW128D_240416	0908_MW128S_240416	0908_MW130D_240424	0908_MW130S_240424	0908_MW132D_240422
				Sampling date / time	16-Apr-2024 10:30	16-Apr-2024 10:35	24-Apr-2024 09:41	24-Apr-2024 09:37	22-Apr-2024 14:10
Compound	CAS Number	LOR	Unit		ES2413427-016	ES2413427-017	ES2413427-018	ES2413427-019	ES2413427-020
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	**0.01**	<0.01	**1.27**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	**0.01**	<0.01	**1.17**
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	**0.01**	<0.01	**1.19**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**98.3**	**102**	**99.7**	**96.6**	**101**
13C8-PFOA	----	0.02	%		**102**	**101**	**103**	**102**	**104**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW132S_240422	0908_MW134D_240417	0908_MW134I_240417	0908_MW146AD_240416	0908_MW146S_240416
				Sampling date / time	22-Apr-2024 14:10	17-Apr-2024 09:30	17-Apr-2024 09:35	16-Apr-2024 11:05	16-Apr-2024 10:55
					ES2413427-021	ES2413427-022	ES2413427-023	ES2413427-024	ES2413427-025
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	**0.02**	**0.03**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	**0.04**	**0.04**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.05**	**0.02**	**0.38**	**0.60**	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	**0.04**	**0.05**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.18**	<0.01	**1.42**	**1.87**	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	**0.07**	**0.08**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	**0.02**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	**0.03**	**0.04**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW132S_240422	0908_MW134D_240417	0908_MW134I_240417	0908_MW146AD_240416	0908_MW146S_240416
				Sampling date / time	22-Apr-2024 14:10	17-Apr-2024 09:30	17-Apr-2024 09:35	16-Apr-2024 11:05	16-Apr-2024 10:55
Compound	CAS Number	LOR	Unit		ES2413427-021	ES2413427-022	ES2413427-023	ES2413427-024	ES2413427-025
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.23**	**0.02**	**2.00**	**2.73**	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.23**	**0.02**	**1.80**	**2.47**	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.23**	**0.02**	**1.92**	**2.64**	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**96.4**	**92.6**	**95.0**	**94.5**	**94.8**
13C8-PFOA	----	0.02	%		**102**	**101**	**106**	**98.2**	**102**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW150D_240416	0908_MW150S_240416	0908_MW155_240417	0908_MW159D_240422	0908_MW159S_240422
				Sampling date / time	16-Apr-2024 08:49	16-Apr-2024 09:04	17-Apr-2024 12:51	22-Apr-2024 14:40	22-Apr-2024 14:55
					ES2413427-026	ES2413427-027	ES2413427-028	ES2413427-029	ES2413427-030
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	**0.22**	**0.20**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	**0.31**	**0.26**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.02**	<0.01	**2.58**	**2.19**	**0.04**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	**0.09**	**0.08**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	**0.38**	**0.35**	**0.09**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	**0.08**	**0.06**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	**0.36**	**0.31**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	**0.07**	**0.06**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	**0.10**	**0.09**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW150D_240416	0908_MW150S_240416	0908_MW155_240417	0908_MW159D_240422	0908_MW159S_240422
				Sampling date / time	16-Apr-2024 08:49	16-Apr-2024 09:04	17-Apr-2024 12:51	22-Apr-2024 14:40	22-Apr-2024 14:55
Compound	CAS Number	LOR	Unit		ES2413427-026	ES2413427-027	ES2413427-028	ES2413427-029	ES2413427-030
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.02**	<0.01	**4.29**	**3.69**	**0.13**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.02**	<0.01	**2.96**	**2.54**	**0.13**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.02**	<0.01	**3.79**	**3.26**	**0.13**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**99.4**	**97.5**	**99.7**	**97.6**	**71.7**
13C8-PFOA	----	0.02	%		**100**	**105**	**104**	**104**	**103**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW160_240422	0908_MW161D_240422	0908_MW161S_240422	0908_MW162D_240416	0908_MW162S_240416
				Sampling date / time	22-Apr-2024 11:50	22-Apr-2024 16:45	22-Apr-2024 17:10	16-Apr-2024 13:20	16-Apr-2024 13:27
					ES2413427-031	ES2413427-032	ES2413427-033	ES2413427-034	ES2413427-035
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.14**	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.98**	<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.02**	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.03**	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW160_240422	0908_MW161D_240422	0908_MW161S_240422	0908_MW162D_240416	0908_MW162S_240416
				Sampling date / time	22-Apr-2024 11:50	22-Apr-2024 16:45	22-Apr-2024 17:10	16-Apr-2024 13:20	16-Apr-2024 13:27
Compound	CAS Number	LOR	Unit		ES2413427-031	ES2413427-032	ES2413427-033	ES2413427-034	ES2413427-035
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.20**	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.12**	<0.01	<0.01	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.20**	<0.01	<0.01	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**93.7**	**94.5**	**98.6**	**96.1**	**99.8**
13C8-PFOA	----	0.02	%		**104**	**105**	**102**	**104**	**106**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW163_240416	0908_MW166_240417	0908_MW167_240417	0908_MW168_240417	0908_MW169D_240417
				Sampling date / time	16-Apr-2024 11:20	17-Apr-2024 11:05	17-Apr-2024 11:30	17-Apr-2024 11:15	17-Apr-2024 11:45
Compound	CAS Number	LOR	Unit		ES2413427-036	ES2413427-037	ES2413427-038	ES2413427-039	ES2413427-040
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	**0.08**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	**0.04**	**0.09**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	**0.21**	**0.50**	**2.12**	**0.02**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	**0.03**	**0.06**	**0.20**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	**12.0**	**27.6**	**26.5**	**0.04**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	**0.02**	<0.02	**0.16**	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	**0.04**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	**0.02**	**0.03**	**0.40**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	**0.07**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	**0.02**	**0.05**	**0.26**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	**0.02**	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW163_240416	0908_MW166_240417	0908_MW167_240417	0908_MW168_240417	0908_MW169D_240417
				Sampling date / time	16-Apr-2024 11:20	17-Apr-2024 11:05	17-Apr-2024 11:30	17-Apr-2024 11:15	17-Apr-2024 11:45
Compound	CAS Number	LOR	Unit		ES2413427-036	ES2413427-037	ES2413427-038	ES2413427-039	ES2413427-040
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**12.3**	**28.4**	**30.5**	**0.06**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**12.2**	**28.1**	**28.6**	**0.06**
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**12.2**	**28.2**	**29.5**	**0.06**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**99.5**	**100**	**108**	**99.6**	**106**
13C8-PFOA	----	0.02	%		**109**	**105**	**111**	**108**	**108**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW169S_240417	0908_MW171D_240417	0908_MW171S_240417	0908_MW172_240417	0908_MW175D_240417
				Sampling date / time	17-Apr-2024 11:40	17-Apr-2024 14:50	17-Apr-2024 14:53	17-Apr-2024 15:05	17-Apr-2024 15:44
Compound	CAS Number	LOR	Unit		ES2413427-041	ES2413427-042	ES2413427-043	ES2413427-044	ES2413427-045
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	**0.50**	**0.03**	**0.14**	**0.07**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	**0.41**	**0.04**	**0.20**	**0.10**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.25**	**1.48**	**0.61**	**0.69**	**1.04**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	**0.21**	<0.02	**0.06**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.07**	**0.04**	**0.46**	**0.03**	**3.69**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	**0.14**	<0.02	<0.02	**0.12**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	**0.64**	**0.04**	**0.09**	**0.32**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	**0.06**	<0.02	**0.02**	**0.06**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	**0.03**	**0.04**	**0.02**	**0.10**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW169S_240417	0908_MW171D_240417	0908_MW171S_240417	0908_MW172_240417	0908_MW175D_240417
				Sampling date / time	17-Apr-2024 11:40	17-Apr-2024 14:50	17-Apr-2024 14:53	17-Apr-2024 15:05	17-Apr-2024 15:44
Compound	CAS Number	LOR	Unit		ES2413427-041	ES2413427-042	ES2413427-043	ES2413427-044	ES2413427-045
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	**0.08**
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.32**	**3.56**	**1.43**	**1.23**	**5.66**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.32**	**1.52**	**1.07**	**0.72**	**4.73**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.32**	**2.89**	**1.18**	**0.99**	**5.48**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**99.4**	**98.4**	**97.1**	**100**	**94.3**
13C8-PFOA	----	0.02	%		**104**	**106**	**107**	**102**	**106**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW178_240422	0908_MW179D_240418	0908_MW179S_240418	0908_MW188D_240418	0908_MW188S_240416
				Sampling date / time	22-Apr-2024 14:35	18-Apr-2024 08:35	18-Apr-2024 08:35	18-Apr-2024 15:15	16-Apr-2024 09:30
					ES2413427-046	ES2413427-047	ES2413427-048	ES2413427-049	ES2413427-050
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.02**	**0.10**	**0.06**	**0.27**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.02**	**0.14**	**0.11**	**0.23**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.08**	**0.80**	**1.65**	**1.88**	**0.11**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	**0.14**	**0.22**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.07**	**0.19**	**3.61**	**3.41**	**0.14**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	**0.04**	**0.12**	**0.09**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.02**	**0.16**	**0.36**	**0.50**	**0.04**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	**0.09**	**0.10**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	**0.02**	**0.20**	**0.19**	**0.01**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW178_240422	0908_MW179D_240418	0908_MW179S_240418	0908_MW188D_240418	0908_MW188S_240416
				Sampling date / time	22-Apr-2024 14:35	18-Apr-2024 08:35	18-Apr-2024 08:35	18-Apr-2024 15:15	16-Apr-2024 09:30
Compound	CAS Number	LOR	Unit		ES2413427-046	ES2413427-047	ES2413427-048	ES2413427-049	ES2413427-050
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.21**	**1.49**	**6.34**	**7.03**	**0.30**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.15**	**0.99**	**5.26**	**5.29**	**0.25**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.19**	**1.31**	**6.09**	**6.44**	**0.30**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**97.1**	**97.5**	**99.8**	**101**	**100**
13C8-PFOA	----	0.02	%		**106**	**106**	**108**	**103**	**109**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW195_240416	0908_MW196_240417	0908_MW198_240418	0908_MW200_240417	0908_MW201D_240417
				Sampling date / time	16-Apr-2024 12:25	17-Apr-2024 09:06	18-Apr-2024 09:15	17-Apr-2024 08:55	17-Apr-2024 08:45
Compound	CAS Number	LOR	Unit		ES2413427-051	ES2413427-052	ES2413427-053	ES2413427-054	ES2413427-055
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	**0.06**	<0.02	**0.02**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	**0.03**	**0.11**	<0.02	**0.04**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.11**	**0.70**	**1.58**	**0.20**	**0.58**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	**0.10**	**0.12**	<0.02	**0.11**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.07**	**10.9**	**3.32**	**0.27**	**5.34**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	**0.04**	**0.04**	<0.02	**0.03**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	**0.12**	**0.17**	**0.04**	**0.06**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	**0.02**	**0.03**	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	**0.11**	**0.10**	<0.01	**0.05**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW195_240416	0908_MW196_240417	0908_MW198_240418	0908_MW200_240417	0908_MW201D_240417
				Sampling date / time	16-Apr-2024 12:25	17-Apr-2024 09:06	18-Apr-2024 09:15	17-Apr-2024 08:55	17-Apr-2024 08:45
Compound	CAS Number	LOR	Unit		ES2413427-051	ES2413427-052	ES2413427-053	ES2413427-054	ES2413427-055
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.18**	**12.1**	**5.56**	**0.51**	**6.23**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.18**	**11.6**	**4.90**	**0.47**	**5.92**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.18**	**11.9**	**5.30**	**0.51**	**6.08**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**102**	**105**	**99.7**	**105**	**101**
13C8-PFOA	----	0.02	%		**107**	**111**	**108**	**106**	**106**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW201S_240417	0908_MW202D_240418	0908_MW202S_240418	0908_MW208_240417	0908_MW210D_240417
				Sampling date / time	17-Apr-2024 08:30	18-Apr-2024 08:15	18-Apr-2024 08:25	17-Apr-2024 10:59	17-Apr-2024 09:45
Compound	CAS Number	LOR	Unit		ES2413427-056	ES2413427-057	ES2413427-058	ES2413427-059	ES2413427-060
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	**0.03**	<0.02	**0.07**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	**0.04**	<0.02	**0.12**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.28**	**0.33**	**0.27**	**4.80**	**0.02**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	**0.42**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.96**	**0.22**	**0.60**	**21.6**	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	**0.17**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	**0.07**	**0.05**	**0.32**	**0.02**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	**0.09**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.01**	**0.01**	**0.01**	**0.24**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	**0.16**	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW201S_240417	0908_MW202D_240418	0908_MW202S_240418	0908_MW208_240417	0908_MW210D_240417
				Sampling date / time	17-Apr-2024 08:30	18-Apr-2024 08:15	18-Apr-2024 08:25	17-Apr-2024 10:59	17-Apr-2024 09:45
Compound	CAS Number	LOR	Unit		ES2413427-056	ES2413427-057	ES2413427-058	ES2413427-059	ES2413427-060
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.25**	**0.70**	**0.93**	**28.0**	**0.04**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.24**	**0.55**	**0.87**	**26.4**	**0.02**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.25**	**0.66**	**0.93**	**27.3**	**0.04**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**97.4**	**109**	**97.8**	**100**	**112**
13C8-PFOA	----	0.02	%		**102**	**109**	**106**	**103**	**111**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW210S_240417	0908_MW232D_240422	0908_MW232S_240422	0908_MW240D_240417	0908_MW241D_240423
				Sampling date / time	17-Apr-2024 09:35	22-Apr-2024 11:40	22-Apr-2024 11:48	17-Apr-2024 13:55	23-Apr-2024 12:15
					ES2413427-061	ES2413427-062	ES2413427-063	ES2413427-064	ES2413427-065
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.05**	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.08**	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.67**	<0.01	<0.01	**0.10**	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.09**	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**14.8**	<0.01	<0.01	<0.01	**0.01**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.04**	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.22**	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.08**	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW210S_240417	0908_MW232D_240422	0908_MW232S_240422	0908_MW240D_240417	0908_MW241D_240423
				Sampling date / time	17-Apr-2024 09:35	22-Apr-2024 11:40	22-Apr-2024 11:48	17-Apr-2024 13:55	23-Apr-2024 12:15
Compound	CAS Number	LOR	Unit		ES2413427-061	ES2413427-062	ES2413427-063	ES2413427-064	ES2413427-065
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**16.1**	<0.01	<0.01	**0.10**	**0.01**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**15.5**	<0.01	<0.01	**0.10**	**0.01**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**15.9**	<0.01	<0.01	**0.10**	**0.01**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**103**	**98.3**	**95.0**	**98.3**	**98.8**
13C8-PFOA	----	0.02	%		**108**	**97.0**	**97.7**	**101**	**102**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW241S_240423	0908_MW245D_240417	0908_MW245S_240417	0908_MW247D_240422	0908_MW247S_240422
				Sampling date / time	23-Apr-2024 12:15	17-Apr-2024 12:55	17-Apr-2024 13:05	22-Apr-2024 15:50	22-Apr-2024 15:30
					ES2413427-066	ES2413427-067	ES2413427-068	ES2413427-069	ES2413427-070
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.01**	**0.02**	<0.01	**0.04**	**0.30**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	**0.03**	**0.06**	**0.79**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.02**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	**0.01**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW241S_240423	0908_MW245D_240417	0908_MW245S_240417	0908_MW247D_240422	0908_MW247S_240422
				Sampling date / time	23-Apr-2024 12:15	17-Apr-2024 12:55	17-Apr-2024 13:05	22-Apr-2024 15:50	22-Apr-2024 15:30
Compound	CAS Number	LOR	Unit		ES2413427-066	ES2413427-067	ES2413427-068	ES2413427-069	ES2413427-070
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.01**	**0.02**	**0.03**	**0.10**	**1.12**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.01**	**0.02**	**0.03**	**0.10**	**1.09**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.01**	**0.02**	**0.03**	**0.10**	**1.12**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**95.5**	**96.0**	**101**	**102**	**99.9**
13C8-PFOA	----	0.02	%		**106**	**105**	**105**	**110**	**106**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW252S_240424	0908_MW255D_240416	0908_MW255S_240416	0908_MW256D_240415	0908_MW256S_240416
				Sampling date / time	24-Apr-2024 10:50	16-Apr-2024 16:55	16-Apr-2024 16:05	15-Apr-2024 16:35	16-Apr-2024 14:37
					ES2413427-071	ES2413427-072	ES2413427-073	ES2413427-074	ES2413427-075
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.41**	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.60**	<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.04**	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW252S_240424	0908_MW255D_240416	0908_MW255S_240416	0908_MW256D_240415	0908_MW256S_240416
				Sampling date / time	24-Apr-2024 10:50	16-Apr-2024 16:55	16-Apr-2024 16:05	15-Apr-2024 16:35	16-Apr-2024 14:37
Compound	CAS Number	LOR	Unit		ES2413427-071	ES2413427-072	ES2413427-073	ES2413427-074	ES2413427-075
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.08**	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.01**	<0.01	<0.01	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.05**	<0.01	<0.01	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**102**	**105**	**106**	**99.3**	**105**
13C8-PFOA	----	0.02	%		**106**	**104**	**107**	**103**	**106**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW257D_240416	0908_MW257S_240416	0908_MW260D_240418	0908_MW260S_240418	0908_MW264D_240423
				Sampling date / time	16-Apr-2024 14:50	16-Apr-2024 14:57	18-Apr-2024 15:40	18-Apr-2024 15:49	23-Apr-2024 15:45
					ES2413427-076	ES2413427-077	ES2413427-078	ES2413427-079	ES2413427-080
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	**0.02**	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	**0.01**	<0.01	**0.06**	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW257D_240416	0908_MW257S_240416	0908_MW260D_240418	0908_MW260S_240418	0908_MW264D_240423
				Sampling date / time	16-Apr-2024 14:50	16-Apr-2024 14:57	18-Apr-2024 15:40	18-Apr-2024 15:49	23-Apr-2024 15:45
Compound	CAS Number	LOR	Unit		ES2413427-076	ES2413427-077	ES2413427-078	ES2413427-079	ES2413427-080
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**0.01**	**0.02**	**0.06**	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**0.01**	**0.02**	**0.06**	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**0.01**	**0.02**	**0.06**	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**101**	**106**	**96.2**	**99.6**	**100**
13C8-PFOA	----	0.02	%		**102**	**105**	**104**	**106**	**107**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW264S_240423	0908_MW278D_240416	0908_MW278S_240416	0908_MW279S_240416	0908_MW280S_240423
				Sampling date / time	23-Apr-2024 15:40	16-Apr-2024 14:20	16-Apr-2024 14:45	16-Apr-2024 12:43	23-Apr-2024 09:10
					ES2413427-081	ES2413427-082	ES2413427-083	ES2413427-084	ES2413427-085
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	**0.17**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	**0.28**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	<0.01	**3.50**	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	**0.07**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	**0.80**	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	**0.10**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	**0.70**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	**0.04**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	**0.04**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW264S_240423	0908_MW278D_240416	0908_MW278S_240416	0908_MW279S_240416	0908_MW280S_240423
				Sampling date / time	23-Apr-2024 15:40	16-Apr-2024 14:20	16-Apr-2024 14:45	16-Apr-2024 12:43	23-Apr-2024 09:10
Compound	CAS Number	LOR	Unit		ES2413427-081	ES2413427-082	ES2413427-083	ES2413427-084	ES2413427-085
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	<0.01	**5.78**	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	**4.30**	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	<0.01	**5.35**	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**96.0**	**95.9**	**102**	**99.9**	**99.4**
13C8-PFOA	----	0.02	%		**105**	**104**	**106**	**103**	**101**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW281S_240417	0908_MW282S_240417	0908_MW304_240423	0908_MW315D_240423	0908_MW315S_240423
				Sampling date / time	17-Apr-2024 14:35	17-Apr-2024 14:25	23-Apr-2024 09:29	23-Apr-2024 11:20	23-Apr-2024 11:33
Compound	CAS Number	LOR	Unit		ES2413427-086	ES2413427-087	ES2413427-088	ES2413427-089	ES2413427-090
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.27**	**0.11**	**0.10**	**0.05**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.39**	**0.17**	**0.19**	**0.04**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**4.82**	**2.69**	**2.10**	**0.14**	**0.02**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**1.15**	**0.35**	**0.34**	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**22.0**	**0.43**	**42.3**	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		**0.1**	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.14**	**0.10**	**0.16**	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.65**	**0.43**	**0.46**	**0.06**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.15**	**0.08**	**0.09**	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.71**	**0.31**	**0.33**	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW281S_240417	0908_MW282S_240417	0908_MW304_240423	0908_MW315D_240423	0908_MW315S_240423
				Sampling date / time	17-Apr-2024 14:35	17-Apr-2024 14:25	23-Apr-2024 09:29	23-Apr-2024 11:20	23-Apr-2024 11:33
Compound	CAS Number	LOR	Unit		ES2413427-086	ES2413427-087	ES2413427-088	ES2413427-089	ES2413427-090
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**30.5**	**4.71**	**46.2**	**0.29**	**0.02**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**26.8**	**3.12**	**44.4**	**0.14**	**0.02**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**28.8**	**4.15**	**45.5**	**0.25**	**0.02**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**98.5**	**96.9**	**96.9**	**103**	**103**
13C8-PFOA	----	0.02	%		**103**	**105**	**105**	**102**	**103**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW316D_240416	0908_MW317D_240417	0908_MW317S_240417	0908_MW318D_240422	0908_MW318S_240422
				Sampling date / time	16-Apr-2024 11:04	17-Apr-2024 10:05	17-Apr-2024 09:55	22-Apr-2024 12:30	22-Apr-2024 12:15
					ES2413427-091	ES2413427-092	ES2413427-093	ES2413427-094	ES2413427-095
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	**0.07**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	**0.11**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	**0.03**	**0.73**	**0.02**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	**0.03**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	**0.04**	**0.10**	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	**0.03**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	**0.18**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	**0.03**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW316D_240416	0908_MW317D_240417	0908_MW317S_240417	0908_MW318D_240422	0908_MW318S_240422
				Sampling date / time	16-Apr-2024 11:04	17-Apr-2024 10:05	17-Apr-2024 09:55	22-Apr-2024 12:30	22-Apr-2024 12:15
Compound	CAS Number	LOR	Unit		ES2413427-091	ES2413427-092	ES2413427-093	ES2413427-094	ES2413427-095
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	**0.07**	**1.31**	**0.02**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	**0.07**	**0.83**	**0.02**
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	**0.07**	**1.14**	**0.02**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**109**	**101**	**101**	**98.8**	**99.7**
13C8-PFOA	----	0.02	%		**111**	**106**	**103**	**102**	**104**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW329_240418	0908_MW340D_240418	0908_MW340S_240418	0908_MW342D_240418	0908_MW344D_240418
				Sampling date / time	18-Apr-2024 08:30	18-Apr-2024 14:50	18-Apr-2024 14:30	18-Apr-2024 13:35	18-Apr-2024 13:16
					ES2413427-096	ES2413427-097	ES2413427-098	ES2413427-099	ES2413427-100
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.47**	**0.09**	**0.04**	**0.02**	**0.02**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.99**	**0.09**	**0.06**	**0.03**	**0.03**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**12.7**	**0.44**	**0.92**	**0.16**	**0.34**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**3.72**	<0.02	<0.02	<0.02	**0.03**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**165**	**0.25**	**0.02**	**0.14**	**0.25**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		**0.2**	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.30**	**0.03**	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**1.97**	**0.14**	**0.07**	**0.03**	**0.02**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.33**	**0.02**	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**2.32**	**0.04**	**0.01**	<0.01	**0.02**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW329_240418	0908_MW340D_240418	0908_MW340S_240418	0908_MW342D_240418	0908_MW344D_240418
				Sampling date / time	18-Apr-2024 08:30	18-Apr-2024 14:50	18-Apr-2024 14:30	18-Apr-2024 13:35	18-Apr-2024 13:16
Compound	CAS Number	LOR	Unit		ES2413427-096	ES2413427-097	ES2413427-098	ES2413427-099	ES2413427-100
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**188**	**1.12**	**1.12**	**0.38**	**0.71**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**178**	**0.69**	**0.94**	**0.30**	**0.59**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**183**	**1.01**	**1.06**	**0.35**	**0.65**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**73.6**	**114**	**98.1**	**99.8**	**97.3**
13C8-PFOA	----	0.02	%		**103**	**109**	**104**	**103**	**102**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW344S_240418	0908_MW354S_240418	0908_MW406_240417	0908_MW441_240423	0908_MW466_240418
				Sampling date / time	18-Apr-2024 13:23	18-Apr-2024 14:14	17-Apr-2024 11:21	23-Apr-2024 09:40	18-Apr-2024 10:55
					ES2413427-101	ES2413427-102	ES2413427-103	ES2413427-104	ES2413427-105
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	**0.49**	<0.02	<0.02	**0.08**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	**0.75**	<0.02	<0.02	**0.11**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.13**	**10.9**	**0.02**	**0.26**	**1.33**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	**6.88**	<0.02	**0.08**	**0.15**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.51**	**70.9**	<0.01	**10.0**	**17.7**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.04**
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	**0.2**	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.05**	**0.38**	<0.02	<0.02	**0.08**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.05**	**1.99**	<0.02	**0.02**	**0.25**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.07**	**0.25**	<0.02	<0.02	**0.05**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.03**	**4.34**	<0.01	**0.02**	**0.12**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW344S_240418	0908_MW354S_240418	0908_MW406_240417	0908_MW441_240423	0908_MW466_240418
				Sampling date / time	18-Apr-2024 13:23	18-Apr-2024 14:14	17-Apr-2024 11:21	23-Apr-2024 09:40	18-Apr-2024 10:55
Compound	CAS Number	LOR	Unit		ES2413427-101	ES2413427-102	ES2413427-103	ES2413427-104	ES2413427-105
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	**0.67**	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	**0.17**	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.84**	**97.2**	**0.02**	**11.2**	**20.0**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.64**	**81.8**	**0.02**	**10.3**	**19.0**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.84**	**89.4**	**0.02**	**11.1**	**19.6**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**103**	**96.8**	**100**	**96.4**	**97.7**
13C8-PFOA	----	0.02	%		**106**	**101**	**103**	**103**	**105**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW468_240418	0908_MW829_240422	0908_MW842_240423	0908_MW844_240423	0908_MW886_240423
				Sampling date / time	18-Apr-2024 10:45	22-Apr-2024 11:20	23-Apr-2024 16:19	23-Apr-2024 16:45	23-Apr-2024 09:58
Compound	CAS Number	LOR	Unit		ES2413427-106	ES2413427-107	ES2413427-108	ES2413427-109	ES2413427-110
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.06**	<0.02	<0.02	<0.02	**0.05**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.09**	<0.02	<0.02	<0.02	**0.08**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**1.11**	**0.02**	<0.01	<0.01	**1.80**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.10**	<0.02	<0.02	<0.02	**0.43**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**7.23**	**0.02**	<0.01	**0.02**	**66.2**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.11**	<0.02	<0.02	<0.02	**0.06**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.32**	<0.02	<0.02	<0.02	**0.32**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.06**	<0.02	<0.02	<0.02	**0.05**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.11**	<0.01	<0.01	<0.01	**0.20**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.03**
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		**0.05**	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW468_240418	0908_MW829_240422	0908_MW842_240423	0908_MW844_240423	0908_MW886_240423
				Sampling date / time	18-Apr-2024 10:45	22-Apr-2024 11:20	23-Apr-2024 16:19	23-Apr-2024 16:45	23-Apr-2024 09:58
Compound	CAS Number	LOR	Unit		ES2413427-106	ES2413427-107	ES2413427-108	ES2413427-109	ES2413427-110
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		**0.26**	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**9.55**	**0.04**	<0.01	**0.02**	**69.5**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**8.34**	**0.04**	<0.01	**0.02**	**68.0**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**9.26**	**0.04**	<0.01	**0.02**	**68.7**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**97.6**	**96.7**	**102**	**98.9**	**91.5**
13C8-PFOA	----	0.02	%		**102**	**101**	**105**	**101**	**100**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW897D_240424	0908_MW897S_240424	0908_QC100_240415	0908_QC101_240416	0908_QC102_240416
				Sampling date / time	24-Apr-2024 09:15	24-Apr-2024 09:25	15-Apr-2024 16:35	16-Apr-2024 09:27	16-Apr-2024 10:00
Compound	CAS Number	LOR	Unit		ES2413427-111	ES2413427-112	ES2413427-113	ES2413427-114	ES2413427-115
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.08**	**0.04**	<0.01	**0.02**	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.50**	**0.22**	**0.01**	**0.06**	**0.01**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW897D_240424	0908_MW897S_240424	0908_QC100_240415	0908_QC101_240416	0908_QC102_240416
				Sampling date / time	24-Apr-2024 09:15	24-Apr-2024 09:25	15-Apr-2024 16:35	16-Apr-2024 09:27	16-Apr-2024 10:00
Compound	CAS Number	LOR	Unit		ES2413427-111	ES2413427-112	ES2413427-113	ES2413427-114	ES2413427-115
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.58**	**0.26**	**0.01**	**0.08**	**0.01**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.58**	**0.26**	**0.01**	**0.08**	**0.01**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.58**	**0.26**	**0.01**	**0.08**	**0.01**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**102**	**100**	**98.0**	**98.9**	**97.2**
13C8-PFOA	----	0.02	%		**107**	**111**	**110**	**112**	**111**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_QC104_240416	0908_QC106_240416	0908_QC107_240418	0908_QC109_240418	0908_QC110_240422
				Sampling date / time	16-Apr-2024 10:30	16-Apr-2024 16:55	18-Apr-2024 13:35	18-Apr-2024 14:30	22-Apr-2024 11:20
Compound	CAS Number	LOR	Unit		ES2413427-116	ES2413427-117	ES2413427-118	ES2413427-119	ES2413427-120
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.25**	<0.02	**0.02**	**0.03**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.27**	<0.02	**0.03**	**0.06**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**3.38**	<0.01	**0.16**	**0.86**	**0.02**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.43**	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**3.25**	<0.01	**0.19**	**0.02**	**0.04**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	**0.04**	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.08**	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.66**	<0.02	**0.03**	**0.06**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.08**	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.13**	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_QC104_240416	0908_QC106_240416	0908_QC107_240418	0908_QC109_240418	0908_QC110_240422
				Sampling date / time	16-Apr-2024 10:30	16-Apr-2024 16:55	18-Apr-2024 13:35	18-Apr-2024 14:30	22-Apr-2024 11:20
Compound	CAS Number	LOR	Unit		ES2413427-116	ES2413427-117	ES2413427-118	ES2413427-119	ES2413427-120
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**8.68**	<0.01	**0.47**	**1.03**	**0.06**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**6.63**	<0.01	**0.35**	**0.88**	**0.06**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**7.83**	<0.01	**0.40**	**0.97**	**0.06**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**100**	**97.4**	**100**	**96.5**	**104**
13C8-PFOA	----	0.02	%		**110**	**114**	**113**	**116**	**115**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_QC111_240424	0908_QC113_240424	0908_QC114_240424	0908_QC116_240424	0908_QC115_240424
				Sampling date / time	24-Apr-2024 09:15	24-Apr-2024 09:25	24-Apr-2024 09:37	24-Apr-2024 09:41	24-Apr-2024 10:50
					ES2413427-129	ES2413427-130	ES2413427-131	ES2413427-132	ES2413427-133
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.03**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.07**	**0.04**	<0.01	<0.01	**0.47**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.75**	**0.26**	<0.01	<0.01	**0.63**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.05**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	**0.01**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_QC111_240424	0908_QC113_240424	0908_QC114_240424	0908_QC116_240424	0908_QC115_240424
				Sampling date / time	24-Apr-2024 09:15	24-Apr-2024 09:25	24-Apr-2024 09:37	24-Apr-2024 09:41	24-Apr-2024 10:50
Compound	CAS Number	LOR	Unit		ES2413427-129	ES2413427-130	ES2413427-131	ES2413427-132	ES2413427-133
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.85**	**0.30**	<0.01	<0.01	**1.19**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.82**	**0.30**	<0.01	<0.01	**1.10**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.82**	**0.30**	<0.01	<0.01	**1.16**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**98.5**	**98.2**	**95.8**	**91.3**	**93.5**
13C8-PFOA	----	0.02	%		**115**	**110**	**113**	**106**	**108**

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC300_240415	0908_QC301_240416	0908_QC302_240417	0908_QC303_240418	0908_QC304_240419
				Sampling date / time	15-Apr-2024 17:35	16-Apr-2024 18:01	17-Apr-2024 17:44	18-Apr-2024 16:26	19-Apr-2024 18:46
Compound	CAS Number	LOR	Unit		ES2413427-121	ES2413427-122	ES2413427-123	ES2413427-124	ES2413427-125
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC300_240415	0908_QC301_240416	0908_QC302_240417	0908_QC303_240418	0908_QC304_240419
				Sampling date / time	15-Apr-2024 17:35	16-Apr-2024 18:01	17-Apr-2024 17:44	18-Apr-2024 16:26	19-Apr-2024 18:46
Compound	CAS Number	LOR	Unit		ES2413427-121	ES2413427-122	ES2413427-123	ES2413427-124	ES2413427-125
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**99.5**	**93.0**	**105**	**104**	**98.8**
13C8-PFOA	----	0.02	%		**113**	**113**	**115**	**112**	**113**

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC305_240422	0908_QC306_240423	0908_QC307_240424	----	----
				Sampling date / time	22-Apr-2024 18:47	23-Apr-2024 19:47	24-Apr-2024 13:04	----	----
Compound	CAS Number	LOR	Unit		ES2413427-126	ES2413427-127	ES2413427-128	--------	--------
					Result	Result	Result	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	----	----

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC305_240422	0908_QC306_240423	0908_QC307_240424	----	----
				Sampling date / time	22-Apr-2024 18:47	23-Apr-2024 19:47	24-Apr-2024 13:04	----	----
Compound	CAS Number	LOR	Unit		ES2413427-126	ES2413427-127	ES2413427-128	--------	--------
					Result	Result	Result	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	<0.01	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**97.9**	**108**	**96.3**	----	----
13C8-PFOA	----	0.02	%		**112**	**113**	**110**	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **RINSATE**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413427**	Page	: 1 of 40
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
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Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 65902	Issue Date	: 12-Jul-2024
Sampler	: [redacted]		
Site	: GW		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 133		
No. of samples analysed	: 133		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.58	5.41	3.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	36.4	36.6	0.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.41	0.41	0.0	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.63	0.70	9.6	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	1.05	1.12	7.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	0.05	0.05	0.0	No Limit
ES2413427-001	0908_MW106D_240418	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.51	1.62	6.9	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.84	0.89	5.8	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.08	0.09	12.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.11	0.11	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.07	0.08	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5759443)									
ES2413427-014	0908_MW126D_240416	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413303-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5759443) - continued									
ES2413303-001	Anonymous	EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5759444)									
ES2413427-016	0908_MW128D_240416	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413427-026	0908_MW150D_240416	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.02	<0.01	71.2	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5760920)									
ES2413427-035	0908_MW162S_240416	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413427-045	0908_MW175D_240417	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.04	0.99	5.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	3.69	3.28	11.7	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.07	0.07	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.10	0.09	12.4	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.05	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5760921)									
ES2413427-054	0908_MW200_240417	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.20	0.20	0.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.27	0.30	9.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413427-064	0908_MW240D_240417	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.10	0.08	14.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5760921) - continued									
ES2413427-064	0908_MW240D_240417	EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5760922)									
ES2413427-073	0908_MW255S_240416	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413427-083	0908_MW278S_240416	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761594)									
ES2413427-092	0908_MW317D_240417	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413427-102	0908_MW354S_240418	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	10.9	9.56	13.1	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	70.9	61.9	13.5	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.49	0.47	4.1	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.75	0.70	7.9	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	6.88	5.82	16.8	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761595)									
ES2413427-112	0908_MW897S_240424	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.04	0.03	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.22	0.20	9.9	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761595) - continued									
ES2413427-112	0908_MW897S_240424	EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413427-131	0908_QC114_240424	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	0908_QC116_240424	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.10	1.11	1.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.37	0.43	14.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.12	0.13	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.66	0.67	2.2	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.23	0.24	4.5	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.65	1.73	4.6	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.24	0.25	4.8	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.2	0.2	0.0	No Limit
ES2413427-001	0908_MW106D_240418	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.06	0.07	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.18	0.19	7.1	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5756345) - continued									
ES2413427-001	0908_MW106D_240418	EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5759443)									
ES2413427-014	0908_MW126D_240416	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413303-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5759444)									
ES2413427-016	0908_MW128D_240416	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5759444) - continued									
ES2413427-016	0908_MW128D_240416	EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413427-026	0908_MW150D_240416	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5760920)									
ES2413427-035	0908_MW162S_240416	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413427-045	0908_MW175D_240417	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.10	0.09	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.12	0.11	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.32	0.31	5.5	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.06	0.05	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5760921)									
ES2413427-054	0908_MW200_240417	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413427-064	0908_MW240D_240417	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5760922)									
ES2413427-073	0908_MW255S_240416	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413427-083	0908_MW278S_240416	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5760922) - continued									
ES2413427-083	0908_MW278S_240416	EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761594)									
ES2413427-092	0908_MW317D_240417	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413427-102	0908_MW354S_240418	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	4.34	4.13	5.0	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.38	0.36	5.9	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.99	1.93	3.1	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.25	0.24	0.0	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.2	0.2	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761595)									
ES2413427-112	0908_MW897S_240424	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761595) - continued									
ES2413427-112	0908_MW897S_240424	EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413427-131	0908_QC114_240424	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955)									
ES2413427-132	0908_QC116_240424	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955) - continued									
ES2413434-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	0908_MW106D_240418	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5759443)									
ES2413427-014	0908_MW126D_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5759443) - continued									
ES2413427-014	0908_MW126D_240416	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413303-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5759444)									
ES2413427-016	0908_MW128D_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-026	0908_MW150D_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5759444) - continued									
ES2413427-026	0908_MW150D_240416	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5760920)									
ES2413427-035	0908_MW162S_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-045	0908_MW175D_240417	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5760921)									
ES2413427-054	0908_MW200_240417	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5760921) - continued									
ES2413427-054	0908_MW200_240417	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-064	0908_MW240D_240417	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5760922)									
ES2413427-073	0908_MW255S_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-083	0908_MW278S_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5760922) - continued									
ES2413427-083	0908_MW278S_240416	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761594)									
ES2413427-092	0908_MW317D_240417	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-102	0908_MW354S_240418	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761595)									
ES2413427-112	0908_MW897S_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761595) - continued									
ES2413427-112	0908_MW897S_240424	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-131	0908_QC114_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955)									
ES2413427-132	0908_QC116_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955) - continued									
ES2413434-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-001	0908_MW106D_240418	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5759443)									
ES2413427-014	0908_MW126D_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413303-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5759444)									
ES2413427-016	0908_MW128D_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5759444) - continued									
ES2413427-016	0908_MW128D_240416	EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-026	0908_MW150D_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5760920)									
ES2413427-035	0908_MW162S_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-045	0908_MW175D_240417	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	0.08	0.07	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5760921)									
ES2413427-054	0908_MW200_240417	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5760921) - continued									
ES2413427-064	0908_MW240D_240417	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5760922)									
ES2413427-073	0908_MW255S_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-083	0908_MW278S_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761594)									
ES2413427-092	0908_MW317D_240417	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-102	0908_MW354S_240418	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761594) - continued									
ES2413427-102	0908_MW354S_240418	EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761595)									
ES2413427-112	0908_MW897S_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413427-131	0908_QC114_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	0908_QC116_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5756345)									
ES2413422-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	47.7	48.0	0.6	0% - 20%
ES2413427-001	0908_MW106D_240418	EP231X: Sum of PFAS	----	0.01	µg/L	2.95	3.17	7.2	0% - 20%
EP231P: PFAS Sums (QC Lot: 5759443)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231P: PFAS Sums (QC Lot: 5759443) - continued									
ES2413427-014	0908_MW126D_240416	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2413303-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5759444)									
ES2413427-016	0908_MW128D_240416	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2413427-026	0908_MW150D_240416	EP231X: Sum of PFAS	----	0.01	µg/L	0.02	<0.01	66.7	No Limit
EP231P: PFAS Sums (QC Lot: 5760920)									
ES2413427-035	0908_MW162S_240416	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2413427-045	0908_MW175D_240417	EP231X: Sum of PFAS	----	0.01	µg/L	5.66	5.13	9.8	0% - 20%
EP231P: PFAS Sums (QC Lot: 5760921)									
ES2413427-054	0908_MW200_240417	EP231X: Sum of PFAS	----	0.01	µg/L	0.51	0.54	5.7	0% - 20%
ES2413427-064	0908_MW240D_240417	EP231X: Sum of PFAS	----	0.01	µg/L	0.10	0.08	22.2	0% - 50%
EP231P: PFAS Sums (QC Lot: 5760922)									
ES2413427-073	0908_MW255S_240416	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2413427-083	0908_MW278S_240416	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761594)									
ES2413427-092	0908_MW317D_240417	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2413427-102	0908_MW354S_240418	EP231X: Sum of PFAS	----	0.01	µg/L	97.2	85.4	12.9	0% - 20%
EP231P: PFAS Sums (QC Lot: 5761595)									
ES2413427-112	0908_MW897S_240424	EP231X: Sum of PFAS	----	0.01	µg/L	0.26	0.23	12.2	0% - 20%
ES2413427-131	0908_QC114_240424	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761955)									
ES2413427-132	0908_QC116_240424	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.17	2.27	4.5	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	93.2	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	117	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	100	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	100	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	89.8	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	98.7	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5759443)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	93.6	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	95.7	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	90.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	121	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	97.6	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	106	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5759444)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	93.9	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	99.6	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	109	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	109	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5760920)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	94.4	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.6	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	95.8	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	106	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	102	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5760921)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	95.3	71.0	127

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5760921) - continued								
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	92.7	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	112	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	108	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	99.5	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5760922)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	94.2	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	114	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	96.0	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	109	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	100	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	115	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761594)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	96.2	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	114	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	100	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	107	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	102	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	108	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761595)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	94.6	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	122	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	104	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	106	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	98.2	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	103	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	119	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	110	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	104	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	96.6	73.0	129

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345) - continued								
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	101	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	108	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	103	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	107	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	116	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	120	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	119	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5759443)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	99.8	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.6	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	107	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	100	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	108	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	102	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	101	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	105	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	110	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	109	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5759444)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	101	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	95.8	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	100	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	102	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	108	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	102	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	110	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	118	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	116	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	116	71.0	132

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760920)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	101	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	103	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	109	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	107	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	112	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	110	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	114	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	118	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760921)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	97.1	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	104	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	105	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	109	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	105	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	110	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	115	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	119	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	121	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760922)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	104	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	103	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	109	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	103	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	108	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	109	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	117	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	120	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	107	65.0	144

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760922) - continued								
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	109	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761594)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	103	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	105	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	104	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	111	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	101	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	113	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	110	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	116	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	117	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	108	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	104	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761595)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	108	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	103	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	98.8	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	109	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	113	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	113	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	115	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	114	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	115	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	111	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	119	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	133

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955) - continued								
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	116	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	85.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	90.1	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	90.1	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	117	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	100	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5759443)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	103	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	119	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	106	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	103	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.1	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	122	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	108	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5759444)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	104	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	99.0	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	106	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	99.7	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	94.9	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	114	65.0	136

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5759444) - continued								
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	99.4	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5760920)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	110	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	126	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	118	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	105	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	124	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	110	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5760921)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	114	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	106	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	115	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	81.1	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	116	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	109	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5760922)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	113	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	107	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	111	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	105	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	125	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	112	61.0	135

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761594)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	125	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	108	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	109	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	106	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	119	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	125	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761595)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	108	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	113	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	109	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	119	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	116	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	116	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	102	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	108	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	111	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	118	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	87.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.2	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345) - continued								
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	81.1	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5759443)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	103	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	101	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	99.8	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.8	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5759444)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	94.3	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	122	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	111	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	90.0	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5760920)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	124	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	84.9	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	97.0	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	95.4	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5760921)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	101	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	97.6	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	95.7	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	85.2	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5760922)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	98.3	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	120	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	111	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	96.9	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761594)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	97.1	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	116	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	103	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	85.0	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761595)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	102	63.0	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761595) - continued								
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	100	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	101	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	89.5	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	118	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	124	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	112	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	106	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	96.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	# Not Determined	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	80.2	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	86.5	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5759443)							
ES2413427-012	0908_MW125D_240416	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	87.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.2	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	89.7	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	106	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	90.8	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	95.2	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5759444)							
ES2413427-017	0908_MW128S_240416	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	91.6	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	121	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	106	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	129	69.0	134

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5759444) - continued							
ES2413427-017	0908_MW128S_240416	EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	106	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	113	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5760920)							
ES2413427-036	0908_MW163_240416	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.8	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	90.7	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	90.2	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	107	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	102	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	95.3	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5760921)							
ES2413427-055	0908_MW201D_240417	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	94.8	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	98.8	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	104	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	126	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	101	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5760922)							
ES2413427-074	0908_MW256D_240415	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	96.7	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	124	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	103	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	114	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	107	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	111	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761594)							
ES2413427-093	0908_MW317S_240417	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	106	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	114	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	104	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	111	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	97.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	105	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761595)							
ES2413427-113	0908_QC100_240415	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	90.9	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	111	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	96.1	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	119	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	97.6	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	88.8	53.0	142

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	0908_QC115_240424	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	75.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	120	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	73.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	99.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	101	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	109	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	# Not Determined	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	96.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	103	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	114	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	120	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	105	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	126	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5759443)							
ES2413427-012	0908_MW125D_240416	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	92.9	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	96.3	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	96.0	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	98.8	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	95.5	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	101	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	92.5	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	96.1	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.8	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	103	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	98.6	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5759444)							
ES2413427-017	0908_MW128S_240416	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	100	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	101	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	96.5	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	98.1	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	106	69.0	130

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5759444) - continued							
ES2413427-017	0908_MW128S_240416	EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	108	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	118	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	117	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	113	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	119	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760920)							
ES2413427-036	0908_MW163_240416	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	89.9	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	100	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	96.7	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	108	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	101	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	107	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	106	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	112	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	126	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	123	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760921)							
ES2413427-055	0908_MW201D_240417	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	99.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	106	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	103	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	107	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	103	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	106	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	99.8	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	116	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	122	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	116	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760922)							
ES2413427-074	0908_MW256D_240415	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	103	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	108	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	106	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	108	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	113	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	111	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	113	69.0	133

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5760922) - continued							
ES2413427-074	0908_MW256D_240415	EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	118	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	109	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	105	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761594)							
ES2413427-093	0908_MW317S_240417	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	107	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	112	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	106	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	118	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	107	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	117	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	111	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	123	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	122	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	107	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	109	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761595)							
ES2413427-113	0908_QC100_240415	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	103	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	99.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	87.6	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	88.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	108	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	103	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	102	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	106	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	94.8	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	125	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)							
ES2413427-133	0908_QC115_240424	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	88.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	88.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	90.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	104	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.1	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.3	65.0	144

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955) - continued							
ES2413427-133	0908_QC115_240424	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	118	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	124	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	123	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	74.2	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	113	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	104	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	91.6	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5759443)							
ES2413427-012	0908_MW125D_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	101	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	110	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	87.4	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	86.5	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	93.2	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.7	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	95.5	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5759444)							
ES2413427-017	0908_MW128S_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	111	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	117	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	110	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	108	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	100	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	118	65.0	136

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5759444) - continued							
ES2413427-017	0908_MW128S_240416	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	110	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5760920)							
ES2413427-036	0908_MW163_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	113	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	115	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	93.9	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	124	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	110	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	113	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	116	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5760921)							
ES2413427-055	0908_MW201D_240417	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	103	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	110	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	81.6	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	76.2	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	93.1	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	106	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	95.2	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5760922)							
ES2413427-074	0908_MW256D_240415	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	113	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	94.0	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	88.5	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	109	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	108	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	125	65.0	136

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5760922) - continued							
ES2413427-074	0908_MW256D_240415	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	102	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761594)							
ES2413427-093	0908_MW317S_240417	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	110	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	126	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	109	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	112	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	109	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	126	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	116	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761595)							
ES2413427-113	0908_QC100_240415	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	93.8	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	111	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	100	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	112	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	104	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	91.6	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)							
ES2413427-133	0908_QC115_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	105	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	106	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	105	65.0	136

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955) - continued							
ES2413427-133	0908_QC115_240424	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	86.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5756345)							
ES2413422-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	102	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	104	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	102	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	82.7	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5759443)							
ES2413427-012	0908_MW125D_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	85.6	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	101	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	124	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	95.4	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5759444)							
ES2413427-017	0908_MW128S_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	88.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	105	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	124	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	126	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5760920)							
ES2413427-036	0908_MW163_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	114	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	94.8	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	112	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	107	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5760921)							
ES2413427-055	0908_MW201D_240417	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	104	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	100	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	116	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.5	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5760922)							
ES2413427-074	0908_MW256D_240415	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	97.5	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	115	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	114	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.9	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761594)							
ES2413427-093	0908_MW317S_240417	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	102	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	111	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	119	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	90.7	71.4	144

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761595)							
ES2413427-113	0908_QC100_240415	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	103	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	106	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	107	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	80.9	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	0908_QC115_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	81.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	115	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413427**	Page	: 1 of 18
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: GW	Issue Date	: 12-Jul-2024
Sampler	: [redacted]	No. of samples received	: 133
Order number	: 60612562_8.1	No. of samples analysed	: 133

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413422--002	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413427--055	0908_MW201D_240417	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231B: Perfluoroalkyl Carboxylic Acids	ES2413422--002	Anonymous	**Perfluorohexanoic acid (PFHxA)**	307-24-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids - Continued							
0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids - Continued							
0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_MW256D_240415	**15-Apr-2024**	**01-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC100_240415, 0908_QC300_240415	**15-Apr-2024**	**02-May-2024**	12-Oct-2024	✓	**03-May-2024**	12-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW118_240416, 0908_MW121_240416, 0908_MW122_240416, 0908_MW123_240416, 0908_MW125D_240416, 0908_MW125S_240416, 0908_MW126D_240416, 0908_MW126S_240416, 0908_MW128D_240416, 0908_MW128S_240416, 0908_MW146AD_240416, 0908_MW146S_240416, 0908_MW150D_240416, 0908_MW150S_240416, 0908_MW162D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW162S_240416, 0908_MW163_240416, 0908_MW188S_240416, 0908_MW195_240416, 0908_MW255D_240416, 0908_MW255S_240416, 0908_MW256S_240416, 0908_MW257D_240416, 0908_MW257S_240416, 0908_MW278D_240416, 0908_MW278S_240416, 0908_MW279S_240416, 0908_MW316D_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC101_240416, 0908_QC102_240416, 0908_QC104_240416, 0908_QC106_240416, 0908_QC301_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW108D_240417, 0908_MW108S_240417, 0908_MW134D_240417, 0908_MW134I_240417, 0908_MW155_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW166_240417, 0908_MW167_240417, 0908_MW168_240417, 0908_MW169D_240417, 0908_MW169S_240417, 0908_MW171D_240417, 0908_MW171S_240417, 0908_MW172_240417, 0908_MW175D_240417, 0908_MW196_240417, 0908_MW200_240417, 0908_MW201D_240417, 0908_MW208_240417, 0908_MW201S_240417, 0908_MW210D_240417, 0908_MW210S_240417, 0908_MW240D_240417, 0908_MW245D_240417, 0908_MW245S_240417, 0908_MW281S_240417, 0908_MW282S_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums - Continued							
0908_MW317D_240417, 0908_MW317S_240417, 0908_MW406_240417, 0908_QC302_240417	**17-Apr-2024**	**02-May-2024**	14-Oct-2024	✓	**03-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW109D_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW179D_240418, 0908_MW179S_240418, 0908_MW188D_240418, 0908_MW198_240418, 0908_MW202D_240418, 0908_MW202S_240418, 0908_MW260D_240418, 0908_MW260S_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW329_240418, 0908_MW340D_240418, 0908_MW340S_240418, 0908_MW342D_240418, 0908_MW344D_240418, 0908_MW344S_240418, 0908_MW354S_240418, 0908_MW466_240418, 0908_MW468_240418, 0908_QC107_240418, 0908_QC109_240418, 0908_QC303_240418	**18-Apr-2024**	**02-May-2024**	15-Oct-2024	✓	**03-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240418, 0908_MW106S_240419	**19-Apr-2024**	**01-May-2024**	16-Oct-2024	✓	**02-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_QC304_240419	**19-Apr-2024**	**02-May-2024**	16-Oct-2024	✓	**03-May-2024**	16-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW132D_240422, 0908_MW132S_240422, 0908_MW159D_240422, 0908_MW159S_240422, 0908_MW160_240422, 0908_MW161D_240422, 0908_MW161S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW178_240422, 0908_MW232D_240422, 0908_MW232S_240422, 0908_MW247D_240422, 0908_MW247S_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW318D_240422, 0908_MW318S_240422, 0908_MW829_240422, 0908_QC110_240422, 0908_QC305_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240423, 0908_MW107S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW241D_240423, 0908_MW241S_240423, 0908_MW264D_240423, 0908_MW264S_240423, 0908_MW280S_240423, 0908_MW304_240423, 0908_MW315D_240423, 0908_MW315S_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums - Continued							
0908_MW441_240423, 0908_MW842_240423, 0908_MW844_240423, 0908_MW886_240423, 0908_QC306_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240424, 0908_MW130S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW252S_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_MW897D_240424, 0908_MW897S_240424, 0908_QC307_240424, 0908_QC111_240424, 0908_QC113_240424, 0908_QC114_240424, 0908_QC116_240424, 0908_QC115_240424	**24-Apr-2024**	**02-May-2024**	21-Oct-2024	✓	**03-May-2024**	21-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	18	165	**10.91**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	9	165	**5.45**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	9	165	**5.45**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	9	165	**5.45**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2413427**		
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 5
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 65902	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: GW		
Sampler	[redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 12-Jul-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 4	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 133 / 133

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **11/07/2024: This is an updated SRN to reflect the change in sampling time for samples ES2413427-010, 018, 019, 080, 081, 108, 131, and 132.**
- **12/07/2024: This is an updated SRN reflecting a change in ID for samples ES2413427-001 and 102.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2413427-001	19-Apr-2024 09:37	0908_MW106D_240418	✓
ES2413427-002	19-Apr-2024 09:28	0908_MW106S_240419	✓
ES2413427-003	23-Apr-2024 10:30	0908_MW107D_240423	✓
ES2413427-004	23-Apr-2024 10:30	0908_MW107S_240423	✓
ES2413427-005	17-Apr-2024 15:45	0908_MW108D_240417	✓
ES2413427-006	17-Apr-2024 15:35	0908_MW108S_240417	✓
ES2413427-007	18-Apr-2024 10:30	0908_MW109D_240418	✓
ES2413427-008	16-Apr-2024 16:21	0908_MW118_240416	✓
ES2413427-009	16-Apr-2024 09:24	0908_MW121_240416	✓
ES2413427-010	16-Apr-2024 13:45	0908_MW122_240416	✓
ES2413427-011	16-Apr-2024 14:16	0908_MW123_240416	✓
ES2413427-012	16-Apr-2024 12:43	0908_MW125D_240416	✓
ES2413427-013	16-Apr-2024 12:54	0908_MW125S_240416	✓
ES2413427-014	16-Apr-2024 10:00	0908_MW126D_240416	✓
ES2413427-015	16-Apr-2024 10:30	0908_MW126S_240416	✓
ES2413427-016	16-Apr-2024 10:30	0908_MW128D_240416	✓
ES2413427-017	16-Apr-2024 10:35	0908_MW128S_240416	✓
ES2413427-018	24-Apr-2024 09:41	0908_MW130D_240424	✓
ES2413427-019	24-Apr-2024 09:37	0908_MW130S_240424	✓
ES2413427-020	22-Apr-2024 14:10	0908_MW132D_240422	✓
ES2413427-021	22-Apr-2024 14:10	0908_MW132S_240422	✓
ES2413427-022	17-Apr-2024 09:30	0908_MW134D_240417	✓
ES2413427-023	17-Apr-2024 09:35	0908_MW134I_240417	✓
ES2413427-024	16-Apr-2024 11:05	0908_MW146AD_240416	✓
ES2413427-025	16-Apr-2024 10:55	0908_MW146S_240416	✓
ES2413427-026	16-Apr-2024 08:49	0908_MW150D_240416	✓
ES2413427-027	16-Apr-2024 09:04	0908_MW150S_240416	✓
ES2413427-028	17-Apr-2024 12:51	0908_MW155_240417	✓
ES2413427-029	22-Apr-2024 14:40	0908_MW159D_240422	✓
ES2413427-030	22-Apr-2024 14:55	0908_MW159S_240422	✓
ES2413427-031	22-Apr-2024 11:50	0908_MW160_240422	✓
ES2413427-032	22-Apr-2024 16:45	0908_MW161D_240422	✓
ES2413427-033	22-Apr-2024 17:10	0908_MW161S_240422	✓
ES2413427-034	16-Apr-2024 13:20	0908_MW162D_240416	✓
ES2413427-035	16-Apr-2024 13:27	0908_MW162S_240416	✓

			WATER - EP231X PFAS - Full Suite (31 analytes)
ES2413427-036	16-Apr-2024 11:20	0908_MW163_240416	✓
ES2413427-037	17-Apr-2024 11:05	0908_MW166_240417	✓
ES2413427-038	17-Apr-2024 11:30	0908_MW167_240417	✓
ES2413427-039	17-Apr-2024 11:15	0908_MW168_240417	✓
ES2413427-040	17-Apr-2024 11:45	0908_MW169D_240417	✓
ES2413427-041	17-Apr-2024 11:40	0908_MW169S_240417	✓
ES2413427-042	17-Apr-2024 14:50	0908_MW171D_240417	✓
ES2413427-043	17-Apr-2024 14:53	0908_MW171S_240417	✓
ES2413427-044	17-Apr-2024 15:05	0908_MW172_240417	✓
ES2413427-045	17-Apr-2024 15:44	0908_MW175D_240417	✓
ES2413427-046	22-Apr-2024 14:35	0908_MW178_240422	✓
ES2413427-047	18-Apr-2024 08:35	0908_MW179D_240418	✓
ES2413427-048	18-Apr-2024 08:35	0908_MW179S_240418	✓
ES2413427-049	18-Apr-2024 15:15	0908_MW188D_240418	✓
ES2413427-050	16-Apr-2024 09:30	0908_MW188S_240416	✓
ES2413427-051	16-Apr-2024 12:25	0908_MW195_240416	✓
ES2413427-052	17-Apr-2024 09:06	0908_MW196_240417	✓
ES2413427-053	18-Apr-2024 09:15	0908_MW198_240418	✓
ES2413427-054	17-Apr-2024 08:55	0908_MW200_240417	✓
ES2413427-055	17-Apr-2024 08:45	0908_MW201D_240417	✓
ES2413427-056	17-Apr-2024 08:30	0908_MW201S_240417	✓
ES2413427-057	18-Apr-2024 08:15	0908_MW202D_240418	✓
ES2413427-058	18-Apr-2024 08:25	0908_MW202S_240418	✓
ES2413427-059	17-Apr-2024 10:59	0908_MW208_240417	✓
ES2413427-060	17-Apr-2024 09:45	0908_MW210D_240417	✓
ES2413427-061	17-Apr-2024 09:35	0908_MW210S_240417	✓
ES2413427-062	22-Apr-2024 11:40	0908_MW232D_240422	✓
ES2413427-063	22-Apr-2024 11:48	0908_MW232S_240422	✓
ES2413427-064	17-Apr-2024 13:55	0908_MW240D_240417	✓
ES2413427-065	23-Apr-2024 12:15	0908_MW241D_240423	✓
ES2413427-066	23-Apr-2024 12:15	0908_MW241S_240423	✓
ES2413427-067	17-Apr-2024 12:55	0908_MW245D_240417	✓
ES2413427-068	17-Apr-2024 13:05	0908_MW245S_240417	✓
ES2413427-069	22-Apr-2024 15:50	0908_MW247D_240422	✓
ES2413427-070	22-Apr-2024 15:30	0908_MW247S_240422	✓
ES2413427-071	24-Apr-2024 10:50	0908_MW252S_240424	✓
ES2413427-072	16-Apr-2024 16:55	0908_MW255D_240416	✓
ES2413427-073	16-Apr-2024 16:05	0908_MW255S_240416	✓
ES2413427-074	15-Apr-2024 16:35	0908_MW256D_240415	✓
ES2413427-075	16-Apr-2024 14:37	0908_MW256S_240416	✓
ES2413427-076	16-Apr-2024 14:50	0908_MW257D_240416	✓

			WATER - EP231X PFAS - Full Suite (31 analytes)
ES2413427-077	16-Apr-2024 14:57	0908_MW257S_240416	✓
ES2413427-078	18-Apr-2024 15:40	0908_MW260D_240418	✓
ES2413427-079	18-Apr-2024 15:49	0908_MW260S_240418	✓
ES2413427-080	23-Apr-2024 15:45	0908_MW264D_240423	✓
ES2413427-081	23-Apr-2024 15:40	0908_MW264S_240423	✓
ES2413427-082	16-Apr-2024 14:20	0908_MW278D_240416	✓
ES2413427-083	16-Apr-2024 14:45	0908_MW278S_240416	✓
ES2413427-084	16-Apr-2024 12:43	0908_MW279S_240416	✓
ES2413427-085	23-Apr-2024 09:10	0908_MW280S_240423	✓
ES2413427-086	17-Apr-2024 14:35	0908_MW281S_240417	✓
ES2413427-087	17-Apr-2024 14:25	0908_MW282S_240417	✓
ES2413427-088	23-Apr-2024 09:29	0908_MW304_240423	✓
ES2413427-089	23-Apr-2024 11:20	0908_MW315D_240423	✓
ES2413427-090	23-Apr-2024 11:33	0908_MW315S_240423	✓
ES2413427-091	16-Apr-2024 11:04	0908_MW316D_240416	✓
ES2413427-092	17-Apr-2024 10:05	0908_MW317D_240417	✓
ES2413427-093	17-Apr-2024 09:55	0908_MW317S_240417	✓
ES2413427-094	22-Apr-2024 12:30	0908_MW318D_240422	✓
ES2413427-095	22-Apr-2024 12:15	0908_MW318S_240422	✓
ES2413427-096	18-Apr-2024 08:30	0908_MW329_240418	✓
ES2413427-097	18-Apr-2024 14:50	0908_MW340D_240418	✓
ES2413427-098	18-Apr-2024 14:30	0908_MW340S_240418	✓
ES2413427-099	18-Apr-2024 13:35	0908_MW342D_240418	✓
ES2413427-100	18-Apr-2024 13:16	0908_MW344D_240418	✓
ES2413427-101	18-Apr-2024 13:23	0908_MW344S_240418	✓
ES2413427-102	18-Apr-2024 14:14	0908_MW354S_240418	✓
ES2413427-103	17-Apr-2024 11:21	0908_MW406_240417	✓
ES2413427-104	23-Apr-2024 09:40	0908_MW441_240423	✓
ES2413427-105	18-Apr-2024 10:55	0908_MW466_240418	✓
ES2413427-106	18-Apr-2024 10:45	0908_MW468_240418	✓
ES2413427-107	22-Apr-2024 11:20	0908_MW829_240422	✓
ES2413427-108	23-Apr-2024 16:19	0908_MW842_240423	✓
ES2413427-109	23-Apr-2024 16:45	0908_MW844_240423	✓
ES2413427-110	23-Apr-2024 09:58	0908_MW886_240423	✓
ES2413427-111	24-Apr-2024 09:15	0908_MW897D_240424	✓
ES2413427-112	24-Apr-2024 09:25	0908_MW897S_240424	✓
ES2413427-113	15-Apr-2024 16:35	0908_QC100_240415	✓
ES2413427-114	16-Apr-2024 09:27	0908_QC101_240416	✓
ES2413427-115	16-Apr-2024 10:00	0908_QC102_240416	✓
ES2413427-116	16-Apr-2024 10:30	0908_QC104_240416	✓
ES2413427-117	16-Apr-2024 16:55	0908_QC106_240416	✓

			WATER - EP231X PFAS - Full Suite (31 analytes)
ES2413427-118	18-Apr-2024 13:35	0908_QC107_240418	✓
ES2413427-119	18-Apr-2024 14:30	0908_QC109_240418	✓
ES2413427-120	22-Apr-2024 11:20	0908_QC110_240422	✓
ES2413427-121	15-Apr-2024 17:35	0908_QC300_240415	✓
ES2413427-122	16-Apr-2024 18:01	0908_QC301_240416	✓
ES2413427-123	17-Apr-2024 17:44	0908_QC302_240417	✓
ES2413427-124	18-Apr-2024 16:26	0908_QC303_240418	✓
ES2413427-125	19-Apr-2024 18:46	0908_QC304_240419	✓
ES2413427-126	22-Apr-2024 18:47	0908_QC305_240422	✓
ES2413427-127	23-Apr-2024 19:47	0908_QC306_240423	✓
ES2413427-128	24-Apr-2024 13:04	0908_QC307_240424	✓
ES2413427-129	24-Apr-2024 09:15	0908_QC111_240424	✓
ES2413427-130	24-Apr-2024 09:25	0908_QC113_240424	✓
ES2413427-131	24-Apr-2024 09:37	0908_QC114_240424	✓
ES2413427-132	24-Apr-2024 09:41	0908_QC116_240424	✓
ES2413427-133	24-Apr-2024 10:50	0908_QC115_240424	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email — AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email — [redacted]

[redacted]

- *AU Certificate of Analysis - NATA (COA) — Email
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email
- A4 - AU Tax Invoice (INV) — Email
- Chain of Custody (CoC) (COC) — Email
- EDI Format - ESDAT (ESDAT) — Email

[redacted]

- *AU Certificate of Analysis - NATA (COA) — Email
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email
- Chain of Custody (CoC) (COC) — Email
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email
- EDI Format - ESDAT (ESDAT) — Email

[redacted]

CHAIN OF CUSTODY

COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 32 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW106D_240418		19/04/2024 09:37 AM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW106S_240419		19/04/2024 09:28 AM	WATER	ALS: 4 Non ALS: 0	No	X		
003	0908_MW107D_240423		23/04/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
004	0908_MW107S_240423		23/04/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
005	0908_MW108D_240417		17/04/2024 03:45 PM	WATER	ALS: 4 Non ALS: 0	No	X		
006	0908_MW108S_240417		17/04/2024 03:35 PM	WATER	ALS: 4 Non ALS: 0	No	X		
007	0908_MW109D_240418		18/04/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney
Work Order Reference
ES2413427

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1930

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
008	0908_MW118_240416		16/04/2024 04:21 PM	WATER	ALS: 4 Non ALS: 0	No	X		
009	0908_MW121_240416		16/04/2024 09:24 AM	WATER	ALS: 4 Non ALS: 0	No	X		
010	0908_MW122_240416		16/04/2024 01:45 AM	WATER	ALS: 4 Non ALS: 0	No	X		
011	0908_MW123_240416		16/04/2024 02:16 PM	WATER	ALS: 4 Non ALS: 0	No	X		
012	0908_MW125D_240416		16/04/2024 12:43 PM	WATER	ALS: 4 Non ALS: 0	No	X		
013	0908_MW125S_240416		16/04/2024 12:54 PM	WATER	ALS: 4 Non ALS: 0	No	X		
014	0908_MW126D_240416		16/04/2024 10:00 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 22/4/24 10

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
015	0908_MW126S_240416		16/04/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
016	0908_MW128D_240416		16/04/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
017	0908_MW128S_240416		16/04/2024 10:35 AM	WATER	ALS: 4 Non ALS: 0	No	X		
018	0908_MW130D_240424		24/04/2024 10:20 AM	WATER	ALS: 4 Non ALS: 0	No	X		
019	0908_MW130S_240424		24/04/2024 10:10 AM	WATER	ALS: 4 Non ALS: 0	No	X		
020	0908_MW132D_240422		22/04/2024 02:10 PM	WATER	ALS: 4 Non ALS: 0	No	X		
021	0908_MW132S_240422		22/04/2024 02:10 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1930

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
022	0908_MW134D_240417		17/04/2024 09:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
023	0908_MW134I_240417		17/04/2024 09:35 AM	WATER	ALS: 4 Non ALS: 0	No	X		
024	0908_MW146AD_240416		16/04/2024 11:05 AM	WATER	ALS: 4 Non ALS: 0	No	X		
025	0908_MW146S_240416		16/04/2024 10:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		
026	0908_MW150D_240416		16/04/2024 08:49 AM	WATER	ALS: 4 Non ALS: 0	No	X		
027	0908_MW150S_240416		16/04/2024 09:04 AM	WATER	ALS: 4 Non ALS: 0	No	X		
028	0908_MW155_240417		17/04/2024 12:51 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
029	0908_MW159D_240422		22/04/2024 02:40 PM	WATER	ALS: 4 Non ALS: 0	No	X		
030	0908_MW159S_240422		22/04/2024 02:55 PM	WATER	ALS: 4 Non ALS: 0	No	X		
031	0908_MW160_240422		22/04/2024 11:50 AM	WATER	ALS: 4 Non ALS: 0	No	X		
032	0908_MW161D_240422		22/04/2024 04:45 PM	WATER	ALS: 4 Non ALS: 0	No	X		
033	0908_MW161S_240422		22/04/2024 05:10 PM	WATER	ALS: 4 Non ALS: 0	No	X		
034	0908_MW162D_240416		16/04/2024 01:20 PM	WATER	ALS: 4 Non ALS: 0	No	X		
035	0908_MW162S_240416		16/04/2024 01:27 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

(ALS) COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 14

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
036	0908_MW163_240416		16/04/2024 11.20 AM	WATER	ALS: 4 Non ALS: 0	No	X		
037	0908_MW166_240417		17/04/2024 11.05 AM	WATER	ALS: 4 Non ALS: 0	No	X		
038	0908_MW167_240417		17/04/2024 11.30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
039	0908_MW168_240417		17/04/2024 11.15 AM	WATER	ALS: 4 Non ALS: 0	No	X		
040	0908_MW169D_240417		17/04/2024 11.45 AM	WATER	ALS: 4 Non ALS: 0	No	X		
041	0908_MW169S_240417		17/04/2024 11.40 AM	WATER	ALS: 4 Non ALS: 0	No	X		
042	0908_MW171D_240417		17/04/2024 02.50 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
043	0908_MW171S_240417		17/04/2024 02:53 PM	WATER	ALS: 4 Non ALS: 0	No	X		
044	0908_MW172_240417		17/04/2024 03:05 PM	WATER	ALS: 4 Non ALS: 0	No	X		
045	0908_MW175D_240417		17/04/2024 03:44 PM	WATER	ALS: 4 Non ALS: 0	No	X		
046	0908_MW178_240422		22/04/2024 02:35 PM	WATER	ALS: 4 Non ALS: 0	No	X		
047	0908_MW179D_240418		18/04/2024 08:35 AM	WATER	ALS: 4 Non ALS: 0	No	X		
048	0908_MW179S_240418		18/04/2024 08:35 AM	WATER	ALS: 4 Non ALS: 0	No	X		
049	0908_MW188D_240418		18/04/2024 03:15 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
050	0908_MW188S_240416		16/04/2024 09:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
051	0908_MW195_240416		16/04/2024 12:25 PM	WATER	ALS: 4 Non ALS: 0	No	X		
052	0908_MW196_240417		17/04/2024 09:06 AM	WATER	ALS: 4 Non ALS: 0	No	X		
053	0908_MW198_240418		18/04/2024 09:15 AM	WATER	ALS: 4 Non ALS: 0	No	X		
054	0908_MW200_240417		17/04/2024 08:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		
055	0908_MW201D_240417		17/04/2024 08:45 AM	WATER	ALS: 4 Non ALS: 0	No	X		
056	0908_MW201S_240417		17/04/2024 08:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 10

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
057	0908_MW202D_240418		18/04/2024 08:15 AM	WATER	ALS: 4 Non ALS: 0	No	X		
058	0908_MW202S_240418		18/04/2024 08:25 AM	WATER	ALS: 4 Non ALS: 0	No	X		
059	0908_MW208_240417		17/04/2024 10:59 AM	WATER	ALS: 4 Non ALS: 0	No	X		
060	0908_MW210D_240417		17/04/2024 09:45 AM	WATER	ALS: 4 Non ALS: 0	No	X		
061	0908_MW210S_240417		17/04/2024 09:35 AM	WATER	ALS: 4 Non ALS: 0	No	X		
062	0908_MW232D_240422		22/04/2024 11:40 AM	WATER	ALS: 4 Non ALS: 0	No	X		
063	0908_MW232S_240422		22/04/2024 11:48 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19.

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
064	0908_MW240D_240417		17/04/2024 01:55 PM	WATER	ALS: 4 Non ALS: 0	No	X		
065	0908_MW241D_240423		23/04/2024 12:15 PM	WATER	ALS: 4 Non ALS: 0	No	X		
066	0908_MW241S_240423		23/04/2024 12:15 PM	WATER	ALS: 4 Non ALS: 0	No	X		
067	0908_MW245D_240417		17/04/2024 12:55 PM	WATER	ALS: 4 Non ALS: 0	No	X		
068	0908_MW245S_240417		17/04/2024 01:05 PM	WATER	ALS: 4 Non ALS: 0	No	X		
069	0908_MW247D_240422		22/04/2024 03:50 PM	WATER	ALS: 4 Non ALS: 0	No	X		
070	0908_MW247S_240422		22/04/2024 03:30 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments: 3-2

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
071	0908_MW252S_240424		24/04/2024 10:50 AM	WATER	ALS: 4 Non ALS: 0	No	X		
072	0908_MW255D_240416		16/04/2024 04:55 PM	WATER	ALS: 4 Non ALS: 0	No	X		
073	0908_MW255S_240416		16/04/2024 04:05 PM	WATER	ALS: 4 Non ALS: 0	No	X		
074	0908_MW256D_240415		15/04/2024 04:35 PM	WATER	ALS: 4 Non ALS: 0	No	X		
075	0908_MW256S_240416		16/04/2024 02:37 PM	WATER	ALS: 4 Non ALS: 0	No	X		
076	0908_MW257D_240416		16/04/2024 02:50 PM	WATER	ALS: 4 Non ALS: 0	No	X		
077	0908_MW257S_240416		16/04/2024 02:57 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 10

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
078	0908_MW260D_240418		18/04/2024 03:40 PM	WATER	ALS: 4 Non ALS: 0	No	X		
079	0908_MW260S_240418		18/04/2024 03:49 PM	WATER	ALS: 4 Non ALS: 0	No	X		
080	0908_MW264D_240423		23/04/2024 04:15 PM	WATER	ALS: 4 Non ALS: 0	No	X		
081	0908_MW264S_240423		23/04/2024 04:15 PM	WATER	ALS: 4 Non ALS: 0	No	X		
082	0908_MW278D_240416		16/04/2024 02:20 PM	WATER	ALS: 4 Non ALS: 0	No	X		
083	0908_MW278S_240416		16/04/2024 02:45 PM	WATER	ALS: 4 Non ALS: 0	No	X		
084	0908_MW279S_240416		16/04/2024 12:43 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
085	0908_MW280S_240423		23/04/2024 09.10 AM	WATER	ALS. 4 Non ALS. 0	No	X		
086	0908_MW281S_240417		17/04/2024 02.35 PM	WATER	ALS. 4 Non ALS. 0	No	X		
087	0908_MW282S_240417		17/04/2024 02.25 PM	WATER	ALS. 4 Non ALS. 0	No	X		
088	0908_MW304_240423		23/04/2024 09.29 AM	WATER	ALS. 4 Non ALS. 0	No	X		
089	0908_MW315D_240423		23/04/2024 11.20 AM	WATER	ALS. 4 Non ALS. 0	No	X		
090	0908_MW315S_240423		23/04/2024 11.33 AM	WATER	ALS. 4 Non ALS. 0	No	X		
091	0908_MW316D_240416		16/04/2024 11.04 AM	WATER	ALS. 4 Non ALS. 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? ~~Yes~~ No (N/A)

~~Free ice~~ / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
092	0908_MW317D_240417		17/04/2024 10:05 AM	WATER	ALS: 4 Non ALS: 0	No	X		
093	0908_MW317S_240417		17/04/2024 09:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		
094	0908_MW318D_240422		22/04/2024 12:30 PM	WATER	ALS: 4 Non ALS: 0	No	X		
095	0908_MW318S_240422		22/04/2024 12:15 PM	WATER	ALS: 4 Non ALS: 0	No	X		
096	0908_MW329_240418		18/04/2024 08:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
097	0908_MW340D_240418		18/04/2024 02:50 PM	WATER	ALS: 4 Non ALS: 0	No	X		
098	0908_MW340S_240418		18/04/2024 02:30 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1930

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
099	0908_MW342D_240418		18/04/2024 01:35 PM	WATER	ALS: 4 Non ALS: 0	No	X		
100	0908_MW344D_240418		18/04/2024 01:16 PM	WATER	ALS: 4 Non ALS: 0	No	X		
101	0908_MW344S_240418		18/04/2024 01:23 PM	WATER	ALS: 4 Non ALS: 0	No	X		
102	0908_MW354_240418	Received as 0906_MW354S_240418	18/04/2024 02:14 PM	WATER	ALS: 4 Non ALS: 0	No	X		
103	0908_MW406_240417		17/04/2024 11:21 AM	WATER	ALS: 4 Non ALS: 0	No	X		
104	0908_MW441_240423		23/04/2024 09:40 AM	WATER	ALS: 4 Non ALS: 0	No	X		
105	0908_MW466_240418		18/04/2024 10:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
106	0908_MW468_240418		18/04/2024 10:45 AM	WATER	ALS: 4 Non ALS: 0	No	X		
107	0908_MW829_240422		22/04/2024 11:20 AM	WATER	ALS: 4 Non ALS: 0	No	X		
108	0908_MW842_240423		23/04/2024 04:45 PM	WATER	ALS: 4 Non ALS: 0	No	X		
109	0908_MW844_240423		23/04/2024 04:45 PM	WATER	ALS: 4 Non ALS: 0	No	X		
110	0908_MW886_240423		23/04/2024 09:58 AM	WATER	ALS: 4 Non ALS: 0	No	X		
111	0908_MW897D_240424		24/04/2024 09:15 AM	WATER	ALS: 4 Non ALS: 0	No	X		
112	0908_MW897S_240424		24/04/2024 09:25 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
113	0908_QC100_240415		15/04/2024 04:35 PM	WATER	ALS: 4 Non ALS: 0	No	X		
114	0908_QC101_240416		16/04/2024 09:27 AM	WATER	ALS: 4 Non ALS: 0	No	X		
115	0908_QC102_240416		16/04/2024 10:00 AM	WATER	ALS: 4 Non ALS: 0	No	X		
116	0908_QC104_240416		16/04/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
117	0908_QC106_240416		16/04/2024 04:55 PM	WATER	ALS: 4 Non ALS: 0	No	X		
118	0908_QC107_240418		18/04/2024 01:35 PM	WATER	ALS: 4 Non ALS: 0	No	X		
119	0908_QC109_240418		18/04/2024 02:30 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19:3

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGE [redacted]
PRIMARY SAMPLE

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
120	0908_QC110_240422		22/04/2024 11:20 AM	WATER	ALS: 4 Non ALS: 0	No	X		
121	0908_QC300_240415		15/04/2024 05:35 PM	WATER	ALS: 2 Non ALS: 0	No	X		
122	0908_QC301_240416		16/04/2024 06:01 PM	WATER	ALS: 2 Non ALS: 0	No	X		
123	0908_QC302_240417		17/04/2024 05:44 PM	WATER	ALS: 2 Non ALS: 0	No	X		
124	0908_QC303_240418		18/04/2024 04:26 PM	WATER	ALS: 2 Non ALS: 0	No	X		
125	0908_QC304_240419		19/04/2024 06:46 PM	WATER	ALS: 2 Non ALS: 0	No	X		
126	0908_QC305_240422		22/04/2024 06:47 PM	WATER	ALS: 2 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 AD.

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
127	0908_QC306_240423		23/04/2024 07:47 PM	WATER	ALS: 2 Non ALS: 0	No	X		
128	0908_QC307_240424		24/04/2024 01:04 PM	WATER	ALS: 2 Non ALS: 0	No	X		
129	0908_QC111_240424		24/04/2024 09:15 AM	WATER	ALS: 4 Non ALS: 0	No	X		
130	0908_QC113_240424		24/04/2024 09:25 AM	WATER	ALS: 4 Non ALS: 0	No	X		
131	0908_QC114_240424		24/04/2024 10:10 AM	WATER	ALS: 4 Non ALS: 0	No	X		
132	0908_QC116_240424		24/04/2024 10:20 AM	WATER	ALS: 4 Non ALS: 0	No	X		
133	0908_QC115_240424		24/04/2024 10:50 AM	WATER	ALS: 4 Non ALS: 0	No	X		Bottles are mislabelled as QC119, please report as QC115.

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW106D_240418	HDPE (no PTFE)	20 mL	00352312028555	Grey	No	
001	0908_MW106D_240418	HDPE (no PTFE)	20 mL	00352312028474	Grey	No	
001	0908_MW106D_240418	HDPE (no PTFE)	20 mL	00352312028311	Grey	No	
001	0908_MW106D_240418	HDPE (no PTFE)	20 mL	00352312028542	Grey	No	
002	0908_MW106S_240419	HDPE (no PTFE)	20 mL	00352312028464	Grey	No	
002	0908_MW106S_240419	HDPE (no PTFE)	20 mL	00352312028455	Grey	No	
002	0908_MW106S_240419	HDPE (no PTFE)	20 mL	00352312028200	Grey	No	
002	0908_MW106S_240419	HDPE (no PTFE)	20 mL	00352312028420	Grey	No	
003	0908_MW107D_240423	HDPE (no PTFE)	20 mL	00352312028257	Grey	No	
003	0908_MW107D_240423	HDPE (no PTFE)	20 mL	00352312028394	Grey	No	
003	0908_MW107D_240423	HDPE (no PTFE)	20 mL	00352312028333	Grey	No	
003	0908_MW107D_240423	HDPE (no PTFE)	20 mL	00352312028304	Grey	No	
004	0908_MW107S_240423	HDPE (no PTFE)	20 mL	00352312028220	Grey	No	
004	0908_MW107S_240423	HDPE (no PTFE)	20 mL	00352312028250	Grey	No	
004	0908_MW107S_240423	HDPE (no PTFE)	20 mL	00352312028074	Grey	No	
004	0908_MW107S_240423	HDPE (no PTFE)	20 mL	00352312028587	Grey	No	
005	0908_MW108D_240417	HDPE (no PTFE)	20 mL	00352312065999	Grey	No	
005	0908_MW108D_240417	HDPE (no PTFE)	20 mL	00352312066094	Grey	No	
005	0908_MW108D_240417	HDPE (no PTFE)	20 mL	00352312066146	Grey	No	
005	0908_MW108D_240417	HDPE (no PTFE)	20 mL	00352312066081	Grey	No	
006	0908_MW108S_240417	HDPE (no PTFE)	20 mL	00352312066208	Grey	No	
006	0908_MW108S_240417	HDPE (no PTFE)	20 mL	00352312028538	Grey	No	
006	0908_MW108S_240417	HDPE (no PTFE)	20 mL	00352312066274	Grey	No	
006	0908_MW108S_240417	HDPE (no PTFE)	20 mL	00352312028554	Grey	No	
007	0908_MW109D_240418	HDPE (no PTFE)	20 mL	00352312066071	Grey	No	
007	0908_MW109D_240418	HDPE (no PTFE)	20 mL	00352312066204	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

007	0908_MW109D_240418	HDPE (no PTFE)	20 mL	00352312066069	Grey	No	
007	0908_MW109D_240418	HDPE (no PTFE)	20 mL	00352312066022	Grey	No	
008	0908_MW118_240416	HDPE (no PTFE)	20 mL	00352312028087	Grey	No	
008	0908_MW118_240416	HDPE (no PTFE)	20 mL	00352312028585	Grey	No	
008	0908_MW118_240416	HDPE (no PTFE)	20 mL	00352312028520	Grey	No	
008	0908_MW118_240416	HDPE (no PTFE)	20 mL	00352312028247	Grey	No	
009	0908_MW121_240416	HDPE (no PTFE)	20 mL	00352312066126	Grey	No	
009	0908_MW121_240416	HDPE (no PTFE)	20 mL	00352312065992	Grey	No	
009	0908_MW121_240416	HDPE (no PTFE)	20 mL	00352312066082	Grey	No	
009	0908_MW121_240416	HDPE (no PTFE)	20 mL	00352312066200	Grey	No	
010	0908_MW122_240416	HDPE (no PTFE)	20 mL	00352312066287	Grey	No	
010	0908_MW122_240416	HDPE (no PTFE)	20 mL	00352312066020	Grey	No	
010	0908_MW122_240416	HDPE (no PTFE)	20 mL	00352312066216	Grey	No	
010	0908_MW122_240416	HDPE (no PTFE)	20 mL	00352312065998	Grey	No	
011	0908_MW123_240416	HDPE (no PTFE)	20 mL	00352312066234	Grey	No	
011	0908_MW123_240416	HDPE (no PTFE)	20 mL	00352312066240	Grey	No	
011	0908_MW123_240416	HDPE (no PTFE)	20 mL	00352312066076	Grey	No	
011	0908_MW123_240416	HDPE (no PTFE)	20 mL	00352312066222	Grey	No	
012	0908_MW125D_240416	HDPE (no PTFE)	20 mL	00352312066202	Grey	No	
012	0908_MW125D_240416	HDPE (no PTFE)	20 mL	00352312066021	Grey	No	
012	0908_MW125D_240416	HDPE (no PTFE)	20 mL	00352312066134	Grey	No	
012	0908_MW125D_240416	HDPE (no PTFE)	20 mL	00352312066100	Grey	No	
013	0908_MW125S_240416	HDPE (no PTFE)	20 mL	00352312066096	Grey	No	
013	0908_MW125S_240416	HDPE (no PTFE)	20 mL	00352312066151	Grey	No	
013	0908_MW125S_240416	HDPE (no PTFE)	20 mL	00352312066052	Grey	No	
013	0908_MW125S_240416	HDPE (no PTFE)	20 mL	00352312066259	Grey	No	
014	0908_MW126D_240416	HDPE (no PTFE)	20 mL	00352312066270	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 10

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No ~~N/A~~

~~Free ice~~ / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

014	0908_MW126D_240416	HDPE (no PTFE)	20 mL	00352312066217	Grey	No	
014	0908_MW126D_240416	HDPE (no PTFE)	20 mL	00352312066032	Grey	No	
014	0908_MW126D_240416	HDPE (no PTFE)	20 mL	00352312066055	Grey	No	
015	0908_MW126S_240416	HDPE (no PTFE)	20 mL	00352312028461	Grey	No	
015	0908_MW126S_240416	HDPE (no PTFE)	20 mL	00352312066012	Grey	No	
015	0908_MW126S_240416	HDPE (no PTFE)	20 mL	00352312028426	Grey	No	
015	0908_MW126S_240416	HDPE (no PTFE)	20 mL	00352312066237	Grey	No	
016	0908_MW128D_240416	HDPE (no PTFE)	20 mL	00352312066254	Grey	No	
016	0908_MW128D_240416	HDPE (no PTFE)	20 mL	00352312066172	Grey	No	
016	0908_MW128D_240416	HDPE (no PTFE)	20 mL	00352312066066	Grey	No	
016	0908_MW128D_240416	HDPE (no PTFE)	20 mL	00352312066166	Grey	No	
017	0908_MW128S_240416	HDPE (no PTFE)	20 mL	00352312066168	Grey	No	
017	0908_MW128S_240416	HDPE (no PTFE)	20 mL	00352312066273	Grey	No	
017	0908_MW128S_240416	HDPE (no PTFE)	20 mL	00352312066214	Grey	No	
017	0908_MW128S_240416	HDPE (no PTFE)	20 mL	00352312066080	Grey	No	
018	0908_MW130D_240424	HDPE (no PTFE)	20 mL	00352312028045	Grey	No	
018	0908_MW130D_240424	HDPE (no PTFE)	20 mL	00352312028059	Grey	No	
018	0908_MW130D_240424	HDPE (no PTFE)	20 mL	00352312028255	Grey	No	
018	0908_MW130D_240424	HDPE (no PTFE)	20 mL	00352312028007	Grey	No	
019	0908_MW130S_240424	HDPE (no PTFE)	20 mL	00352312028444	Grey	No	
019	0908_MW130S_240424	HDPE (no PTFE)	20 mL	00352312028364	Grey	No	
019	0908_MW130S_240424	HDPE (no PTFE)	20 mL	00352312028305	Grey	No	
019	0908_MW130S_240424	HDPE (no PTFE)	20 mL	00352312028143	Grey	No	
020	0908_MW132D_240422	HDPE (no PTFE)	20 mL	00352312028111	Grey	No	
020	0908_MW132D_240422	HDPE (no PTFE)	20 mL	00352312028436	Grey	No	
020	0908_MW132D_240422	HDPE (no PTFE)	20 mL	00352312028342	Grey	No	
020	0908_MW132D_240422	HDPE (no PTFE)	20 mL	00352312028107	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 30/4/24 AS 24/4/24 193

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-7 °C

Other comments:

021	0908_MW132S_240422	HDPE (no PTFE)	20 mL	00352312028130	Grey	No	
021	0908_MW132S_240422	HDPE (no PTFE)	20 mL	00352312028013	Grey	No	
021	0908_MW132S_240422	HDPE (no PTFE)	20 mL	00352312028283	Grey	No	
021	0908_MW132S_240422	HDPE (no PTFE)	20 mL	00352312028317	Grey	No	
022	0908_MW134D_240417	HDPE (no PTFE)	20 mL	00352312066025	Grey	No	
022	0908_MW134D_240417	HDPE (no PTFE)	20 mL	00352312028161	Grey	No	
022	0908_MW134D_240417	HDPE (no PTFE)	20 mL	00352312066230	Grey	No	
022	0908_MW134D_240417	HDPE (no PTFE)	20 mL	00352312028382	Grey	No	
023	0908_MW134I_240417	HDPE (no PTFE)	20 mL	00352312028058	Grey	No	
023	0908_MW134I_240417	HDPE (no PTFE)	20 mL	00352312028325	Grey	No	
023	0908_MW134I_240417	HDPE (no PTFE)	20 mL	00352312028237	Grey	No	
023	0908_MW134I_240417	HDPE (no PTFE)	20 mL	00352312028157	Grey	No	
024	0908_MW146AD_240416	HDPE (no PTFE)	20 mL	00352312066007	Grey	No	
024	0908_MW146AD_240416	HDPE (no PTFE)	20 mL	00352312066057	Grey	No	
024	0908_MW146AD_240416	HDPE (no PTFE)	20 mL	00352312028362	Grey	No	
024	0908_MW146AD_240416	HDPE (no PTFE)	20 mL	00352312028040	Grey	No	
025	0908_MW146S_240416	HDPE (no PTFE)	20 mL	00352312066192	Grey	No	
025	0908_MW146S_240416	HDPE (no PTFE)	20 mL	00352312066250	Grey	No	
025	0908_MW146S_240416	HDPE (no PTFE)	20 mL	00352312066251	Grey	No	
025	0908_MW146S_240416	HDPE (no PTFE)	20 mL	00352312066085	Grey	No	
026	0908_MW150D_240416	HDPE (no PTFE)	20 mL	00352312066086	Grey	No	
026	0908_MW150D_240416	HDPE (no PTFE)	20 mL	00352312066167	Grey	No	
026	0908_MW150D_240416	HDPE (no PTFE)	20 mL	00352312066228	Grey	No	
026	0908_MW150D_240416	HDPE (no PTFE)	20 mL	00352312066048	Grey	No	
027	0908_MW150S_240416	HDPE (no PTFE)	20 mL	00352312066115	Grey	No	
027	0908_MW150S_240416	HDPE (no PTFE)	20 mL	00352312066210	Grey	No	
027	0908_MW150S_240416	HDPE (no PTFE)	20 mL	00352312066031	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 09:3

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

027	0908_MW150S_240416	HDPE (no PTFE)	20 mL	00352312066206	Grey	No	
028	0908_MW155_240417	HDPE (no PTFE)	20 mL	00352312028302	Grey	No	
028	0908_MW155_240417	HDPE (no PTFE)	20 mL	00352312028564	Grey	No	
028	0908_MW155_240417	HDPE (no PTFE)	20 mL	00352312028296	Grey	No	
028	0908_MW155_240417	HDPE (no PTFE)	20 mL	00352312028540	Grey	No	
029	0908_MW159D_240422	HDPE (no PTFE)	20 mL	00352312028187	Grey	No	
029	0908_MW159D_240422	HDPE (no PTFE)	20 mL	00352312028478	Grey	No	
029	0908_MW159D_240422	HDPE (no PTFE)	20 mL	00352312028377	Grey	No	
029	0908_MW159D_240422	HDPE (no PTFE)	20 mL	00352312028041	Grey	No	
030	0908_MW159S_240422	HDPE (no PTFE)	20 mL	00352312028279	Grey	No	
030	0908_MW159S_240422	HDPE (no PTFE)	20 mL	00352312028508	Grey	No	
030	0908_MW159S_240422	HDPE (no PTFE)	20 mL	00352312028599	Grey	No	
030	0908_MW159S_240422	HDPE (no PTFE)	20 mL	00352312028413	Grey	No	
031	0908_MW160_240422	HDPE (no PTFE)	20 mL	00352312028127	Grey	No	
031	0908_MW160_240422	HDPE (no PTFE)	20 mL	00352312028215	Grey	No	
031	0908_MW160_240422	HDPE (no PTFE)	20 mL	00352312028026	Grey	No	
031	0908_MW160_240422	HDPE (no PTFE)	20 mL	00352312028123	Grey	No	
032	0908_MW161D_240422	HDPE (no PTFE)	20 mL	00352312028285	Grey	No	
032	0908_MW161D_240422	HDPE (no PTFE)	20 mL	00352312028476	Grey	No	
032	0908_MW161D_240422	HDPE (no PTFE)	20 mL	00352312028272	Grey	No	
032	0908_MW161D_240422	HDPE (no PTFE)	20 mL	00352312028260	Grey	No	
033	0908_MW161S_240422	HDPE (no PTFE)	20 mL	00352312028341	Grey	No	
033	0908_MW161S_240422	HDPE (no PTFE)	20 mL	00352312028497	Grey	No	
033	0908_MW161S_240422	HDPE (no PTFE)	20 mL	00352312028068	Grey	No	
033	0908_MW161S_240422	HDPE (no PTFE)	20 mL	00352312028051	Grey	No	
034	0908_MW162D_240416	HDPE (no PTFE)	20 mL	00352312066256	Grey	No	
034	0908_MW162D_240416	HDPE (no PTFE)	20 mL	00352312066209	Grey	No	

CHAIN OF CUSTODY

COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

034	0908_MW162D_240416	HDPE (no PTFE)	20 mL	00352312066180	Grey	No	
034	0908_MW162D_240416	HDPE (no PTFE)	20 mL	00352312066063	Grey	No	
035	0908_MW162S_240416	HDPE (no PTFE)	20 mL	00352312066072	Grey	No	
035	0908_MW162S_240416	HDPE (no PTFE)	20 mL	00352312066013	Grey	No	
035	0908_MW162S_240416	HDPE (no PTFE)	20 mL	00352312066279	Grey	No	
035	0908_MW162S_240416	HDPE (no PTFE)	20 mL	00352312066158	Grey	No	
036	0908_MW163_240416	HDPE (no PTFE)	20 mL	00352312066102	Grey	No	
036	0908_MW163_240416	HDPE (no PTFE)	20 mL	00352312066147	Grey	No	
036	0908_MW163_240416	HDPE (no PTFE)	20 mL	00352312066283	Grey	No	
036	0908_MW163_240416	HDPE (no PTFE)	20 mL	00352312066161	Grey	No	
037	0908_MW166_240417	HDPE (no PTFE)	20 mL	00352312028484	Grey	No	
037	0908_MW166_240417	HDPE (no PTFE)	20 mL	00352312028348	Grey	No	
037	0908_MW166_240417	HDPE (no PTFE)	20 mL	00352312028066	Grey	No	
037	0908_MW166_240417	HDPE (no PTFE)	20 mL	00352312028229	Grey	No	
038	0908_MW167_240417	HDPE (no PTFE)	20 mL	00352312028019	Grey	No	
038	0908_MW167_240417	HDPE (no PTFE)	20 mL	00352312028098	Grey	No	
038	0908_MW167_240417	HDPE (no PTFE)	20 mL	00352312028459	Grey	No	
038	0908_MW167_240417	HDPE (no PTFE)	20 mL	00352312028539	Grey	No	
039	0908_MW168_240417	HDPE (no PTFE)	20 mL	00352312028380	Grey	No	
039	0908_MW168_240417	HDPE (no PTFE)	20 mL	00352312028318	Grey	No	
039	0908_MW168_240417	HDPE (no PTFE)	20 mL	00352312028372	Grey	No	
039	0908_MW168_240417	HDPE (no PTFE)	20 mL	00352312028475	Grey	No	
040	0908_MW169D_240417	HDPE (no PTFE)	20 mL	00352312028027	Grey	No	
040	0908_MW169D_240417	HDPE (no PTFE)	20 mL	00352312028262	Grey	No	
040	0908_MW169D_240417	HDPE (no PTFE)	20 mL	00352312028308	Grey	No	
040	0908_MW169D_240417	HDPE (no PTFE)	20 mL	00352312028112	Grey	No	
041	0908_MW169S_240417	HDPE (no PTFE)	20 mL	00352312028582	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

041	0908_MW169S_240417	HDPE (no PTFE)	20 mL	00352312066187	Grey	No	
041	0908_MW169S_240417	HDPE (no PTFE)	20 mL	00352312066141	Grey	No	
041	0908_MW169S_240417	HDPE (no PTFE)	20 mL	00352312028172	Grey	No	
042	0908_MW171D_240417	HDPE (no PTFE)	20 mL	00352312028401	Grey	No	
042	0908_MW171D_240417	HDPE (no PTFE)	20 mL	00352312066068	Grey	No	
042	0908_MW171D_240417	HDPE (no PTFE)	20 mL	00352312066143	Grey	No	
042	0908_MW171D_240417	HDPE (no PTFE)	20 mL	00352312028119	Grey	No	
043	0908_MW171S_240417	HDPE (no PTFE)	20 mL	00352312028584	Grey	No	
043	0908_MW171S_240417	HDPE (no PTFE)	20 mL	00352312066058	Grey	No	
043	0908_MW171S_240417	HDPE (no PTFE)	20 mL	00352312066145	Grey	No	
043	0908_MW171S_240417	HDPE (no PTFE)	20 mL	00352312028452	Grey	No	
044	0908_MW172_240417	HDPE (no PTFE)	20 mL	00352312028545	Grey	No	
044	0908_MW172_240417	HDPE (no PTFE)	20 mL	00352312028370	Grey	No	
044	0908_MW172_240417	HDPE (no PTFE)	20 mL	00352312028139	Grey	No	
044	0908_MW172_240417	HDPE (no PTFE)	20 mL	00352312028075	Grey	No	
045	0908_MW175D_240417	HDPE (no PTFE)	20 mL	00352312028501	Grey	No	
045	0908_MW175D_240417	HDPE (no PTFE)	20 mL	00352312028310	Grey	No	
045	0908_MW175D_240417	HDPE (no PTFE)	20 mL	00352312028351	Grey	No	
045	0908_MW175D_240417	HDPE (no PTFE)	20 mL	00352312028504	Grey	No	
046	0908_MW178_240422	HDPE (no PTFE)	20 mL	00352312028263	Grey	No	
046	0908_MW178_240422	HDPE (no PTFE)	20 mL	00352312028376	Grey	No	
046	0908_MW178_240422	HDPE (no PTFE)	20 mL	00352312028411	Grey	No	
046	0908_MW178_240422	HDPE (no PTFE)	20 mL	00352312028488	Grey	No	
047	0908_MW179D_240418	HDPE (no PTFE)	20 mL	00352312028129	Grey	No	
047	0908_MW179D_240418	HDPE (no PTFE)	20 mL	00352312028039	Grey	No	
047	0908_MW179D_240418	HDPE (no PTFE)	20 mL	00352312066093	Grey	No	
047	0908_MW179D_240418	HDPE (no PTFE)	20 mL	00352312066248	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

048	0908_MW179S_240418	HDPE (no PTFE)	20 mL	00352312065989	Grey	No	
048	0908_MW179S_240418	HDPE (no PTFE)	20 mL	00352312028196	Grey	No	
048	0908_MW179S_240418	HDPE (no PTFE)	20 mL	00352312066132	Grey	No	
048	0908_MW179S_240418	HDPE (no PTFE)	20 mL	00352312028359	Grey	No	
049	0908_MW188D_240418	HDPE (no PTFE)	20 mL	00352312028080	Grey	No	
049	0908_MW188D_240418	HDPE (no PTFE)	20 mL	00352312028106	Grey	No	
049	0908_MW188D_240418	HDPE (no PTFE)	20 mL	00352312066162	Grey	No	
049	0908_MW188D_240418	HDPE (no PTFE)	20 mL	00352312066114	Grey	No	
050	0908_MW188S_240416	HDPE (no PTFE)	20 mL	00352312066182	Grey	No	
050	0908_MW188S_240416	HDPE (no PTFE)	20 mL	00352312066148	Grey	No	
050	0908_MW188S_240416	HDPE (no PTFE)	20 mL	00352312066118	Grey	No	
050	0908_MW188S_240416	HDPE (no PTFE)	20 mL	00352312066073	Grey	No	
051	0908_MW195_240416	HDPE (no PTFE)	20 mL	00352312065990	Grey	No	
051	0908_MW195_240416	HDPE (no PTFE)	20 mL	00352312066179	Grey	No	
051	0908_MW195_240416	HDPE (no PTFE)	20 mL	00352312066097	Grey	No	
051	0908_MW195_240416	HDPE (no PTFE)	20 mL	00352312066190	Grey	No	
052	0908_MW196_240417	HDPE (no PTFE)	20 mL	00352312028353	Grey	No	
052	0908_MW196_240417	HDPE (no PTFE)	20 mL	00352312028269	Grey	No	
052	0908_MW196_240417	HDPE (no PTFE)	20 mL	00352312028053	Grey	No	
052	0908_MW196_240417	HDPE (no PTFE)	20 mL	00352312028006	Grey	No	
053	0908_MW198_240418	HDPE (no PTFE)	20 mL	00352312066014	Grey	No	
053	0908_MW198_240418	HDPE (no PTFE)	20 mL	00352312066089	Grey	No	
053	0908_MW198_240418	HDPE (no PTFE)	20 mL	00352312066171	Grey	No	
053	0908_MW198_240418	HDPE (no PTFE)	20 mL	00352312066139	Grey	No	
054	0908_MW200_240417	HDPE (no PTFE)	20 mL	00352312028435	Grey	No	
054	0908_MW200_240417	HDPE (no PTFE)	20 mL	00352312028015	Grey	No	
054	0908_MW200_240417	HDPE (no PTFE)	20 mL	00352312028110	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 10

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:
QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A
Free ice / frozen ice bricks present upon receipt? Yes No N/A
Random Sample Temperature on Receipt: °C
Other comments: 3-2

054	0908_MW200_240417	HDPE (no PTFE)	20 mL	00352312028569	Grey	No	
055	0908_MW201D_240417	HDPE (no PTFE)	20 mL	00352312066178	Grey	No	
055	0908_MW201D_240417	HDPE (no PTFE)	20 mL	00352312066034	Grey	No	
055	0908_MW201D_240417	HDPE (no PTFE)	20 mL	00352312066042	Grey	No	
055	0908_MW201D_240417	HDPE (no PTFE)	20 mL	00352312065993	Grey	No	
056	0908_MW201S_240417	HDPE (no PTFE)	20 mL	00352312066107	Grey	No	
056	0908_MW201S_240417	HDPE (no PTFE)	20 mL	00352312066207	Grey	No	
056	0908_MW201S_240417	HDPE (no PTFE)	20 mL	00352312066239	Grey	No	
056	0908_MW201S_240417	HDPE (no PTFE)	20 mL	00352312066153	Grey	No	
057	0908_MW202D_240418	HDPE (no PTFE)	20 mL	00352312028021	Grey	No	
057	0908_MW202D_240418	HDPE (no PTFE)	20 mL	00352312028022	Grey	No	
057	0908_MW202D_240418	HDPE (no PTFE)	20 mL	00352312066246	Grey	No	
057	0908_MW202D_240418	HDPE (no PTFE)	20 mL	00352312066164	Grey	No	
058	0908_MW202S_240418	HDPE (no PTFE)	20 mL	00352312028360	Grey	No	
058	0908_MW202S_240418	HDPE (no PTFE)	20 mL	00352312028294	Grey	No	
058	0908_MW202S_240418	HDPE (no PTFE)	20 mL	00352312028458	Grey	No	
058	0908_MW202S_240418	HDPE (no PTFE)	20 mL	00352312028604	Grey	No	
059	0908_MW208_240417	HDPE (no PTFE)	20 mL	00352312028256	Grey	No	
059	0908_MW208_240417	HDPE (no PTFE)	20 mL	00352312028536	Grey	No	
059	0908_MW208_240417	HDPE (no PTFE)	20 mL	00352312028328	Grey	No	
059	0908_MW208_240417	HDPE (no PTFE)	20 mL	00352312028309	Grey	No	
060	0908_MW210D_240417	HDPE (no PTFE)	20 mL	00352312028386	Grey	No	
060	0908_MW210D_240417	HDPE (no PTFE)	20 mL	00352312028498	Grey	No	
060	0908_MW210D_240417	HDPE (no PTFE)	20 mL	00352312028090	Grey	No	
060	0908_MW210D_240417	HDPE (no PTFE)	20 mL	00352312028128	Grey	No	
061	0908_MW210S_240417	HDPE (no PTFE)	20 mL	00352312028070	Grey	No	
061	0908_MW210S_240417	HDPE (no PTFE)	20 mL	00352312028163	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments: 3-2

061	0908_MW210S_240417	HDPE (no PTFE)	20 mL	00352312028151	Grey	No	
061	0908_MW210S_240417	HDPE (no PTFE)	20 mL	00352312028280	Grey	No	
062	0908_MW232D_240422	HDPE (no PTFE)	20 mL	00352312028228	Grey	No	
062	0908_MW232D_240422	HDPE (no PTFE)	20 mL	00352312028493	Grey	No	
062	0908_MW232D_240422	HDPE (no PTFE)	20 mL	00352312028025	Grey	No	
062	0908_MW232D_240422	HDPE (no PTFE)	20 mL	00352312028014	Grey	No	
063	0908_MW232S_240422	HDPE (no PTFE)	20 mL	00352312028393	Grey	No	
063	0908_MW232S_240422	HDPE (no PTFE)	20 mL	00352312028214	Grey	No	
063	0908_MW232S_240422	HDPE (no PTFE)	20 mL	00352312028185	Grey	No	
063	0908_MW232S_240422	HDPE (no PTFE)	20 mL	00352312028303	Grey	No	
064	0908_MW240D_240417	HDPE (no PTFE)	20 mL	00352312028061	Grey	No	
064	0908_MW240D_240417	HDPE (no PTFE)	20 mL	00352312028395	Grey	No	
064	0908_MW240D_240417	HDPE (no PTFE)	20 mL	00352312028576	Grey	No	
064	0908_MW240D_240417	HDPE (no PTFE)	20 mL	00352312028044	Grey	No	
065	0908_MW241D_240423	HDPE (no PTFE)	20 mL	00352312028467	Grey	No	
065	0908_MW241D_240423	HDPE (no PTFE)	20 mL	00352312028595	Grey	No	
065	0908_MW241D_240423	HDPE (no PTFE)	20 mL	00352312028537	Grey	No	
065	0908_MW241D_240423	HDPE (no PTFE)	20 mL	00352312028557	Grey	No	
066	0908_MW241S_240423	HDPE (no PTFE)	20 mL	00352312028519	Grey	No	
066	0908_MW241S_240423	HDPE (no PTFE)	20 mL	00352312028052	Grey	No	
066	0908_MW241S_240423	HDPE (no PTFE)	20 mL	00352312028029	Grey	No	
066	0908_MW241S_240423	HDPE (no PTFE)	20 mL	00352312028030	Grey	No	
067	0908_MW245D_240417	HDPE (no PTFE)	20 mL	00352312028561	Grey	No	
067	0908_MW245D_240417	HDPE (no PTFE)	20 mL	00352312028335	Grey	No	
067	0908_MW245D_240417	HDPE (no PTFE)	20 mL	00352312028252	Grey	No	
067	0908_MW245D_240417	HDPE (no PTFE)	20 mL	00352312028383	Grey	No	
068	0908_MW245S_240417	HDPE (no PTFE)	20 mL	00352312028447	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1C

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

068	0908_MW245S_240417	HDPE (no PTFE)	20 mL	00352312028314	Grey	No	
068	0908_MW245S_240417	HDPE (no PTFE)	20 mL	00352312028306	Grey	No	
068	0908_MW245S_240417	HDPE (no PTFE)	20 mL	00352312028553	Grey	No	
069	0908_MW247D_240422	HDPE (no PTFE)	20 mL	00352312028578	Grey	No	
069	0908_MW247D_240422	HDPE (no PTFE)	20 mL	00352312028418	Grey	No	
069	0908_MW247D_240422	HDPE (no PTFE)	20 mL	00352312028586	Grey	No	
069	0908_MW247D_240422	HDPE (no PTFE)	20 mL	00352312028366	Grey	No	
070	0908_MW247S_240422	HDPE (no PTFE)	20 mL	00352312028149	Grey	No	
070	0908_MW247S_240422	HDPE (no PTFE)	20 mL	00352312028233	Grey	No	
070	0908_MW247S_240422	HDPE (no PTFE)	20 mL	00352312028231	Grey	No	
070	0908_MW247S_240422	HDPE (no PTFE)	20 mL	00352312028552	Grey	No	
071	0908_MW252S_240424	HDPE (no PTFE)	20 mL	00352312028403	Grey	No	
071	0908_MW252S_240424	HDPE (no PTFE)	20 mL	00352312028336	Grey	No	
071	0908_MW252S_240424	HDPE (no PTFE)	20 mL	00352312028062	Grey	No	
071	0908_MW252S_240424	HDPE (no PTFE)	20 mL	00352312028423	Grey	No	
072	0908_MW255D_240416	HDPE (no PTFE)	20 mL	00352312066033	Grey	No	
072	0908_MW255D_240416	HDPE (no PTFE)	20 mL	00352312028073	Grey	No	
072	0908_MW255D_240416	HDPE (no PTFE)	20 mL	00352312066233	Grey	No	
072	0908_MW255D_240416	HDPE (no PTFE)	20 mL	00352312066152	Grey	No	
073	0908_MW255S_240416	HDPE (no PTFE)	20 mL	00352312066238	Grey	No	
073	0908_MW255S_240416	HDPE (no PTFE)	20 mL	00352312066029	Grey	No	
073	0908_MW255S_240416	HDPE (no PTFE)	20 mL	00352312028266	Grey	No	
073	0908_MW255S_240416	HDPE (no PTFE)	20 mL	00352312066154	Grey	No	
074	0908_MW256D_240415	HDPE (no PTFE)	20 mL	00352312066205	Grey	No	
074	0908_MW256D_240415	HDPE (no PTFE)	20 mL	00352312066121	Grey	No	
074	0908_MW256D_240415	HDPE (no PTFE)	20 mL	00352312066110	Grey	No	
074	0908_MW256D_240415	HDPE (no PTFE)	20 mL	00352312066091	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGE[redacted]
PRIMARY SAMPLER

EMAIL REPORTS TO:

EMAIL INVOICES TO:

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No ~~N/A~~

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

075	0908_MW256S_240416	HDPE (no PTFE)	20 mL	00352312066220	Grey	No	
075	0908_MW256S_240416	HDPE (no PTFE)	20 mL	00352312066201	Grey	No	
075	0908_MW256S_240416	HDPE (no PTFE)	20 mL	00352312066203	Grey	No	
075	0908_MW256S_240416	HDPE (no PTFE)	20 mL	00352312066049	Grey	No	
076	0908_MW257D_240416	HDPE (no PTFE)	20 mL	00352312066197	Grey	No	
076	0908_MW257D_240416	HDPE (no PTFE)	20 mL	00352312065997	Grey	No	
076	0908_MW257D_240416	HDPE (no PTFE)	20 mL	00352312066223	Grey	No	
076	0908_MW257D_240416	HDPE (no PTFE)	20 mL	00352312066157	Grey	No	
077	0908_MW257S_240416	HDPE (no PTFE)	20 mL	00352312066286	Grey	No	
077	0908_MW257S_240416	HDPE (no PTFE)	20 mL	00352312066255	Grey	No	
077	0908_MW257S_240416	HDPE (no PTFE)	20 mL	00352312066038	Grey	No	
077	0908_MW257S_240416	HDPE (no PTFE)	20 mL	00352312066128	Grey	No	
078	0908_MW260D_240418	HDPE (no PTFE)	20 mL	00352312028443	Grey	No	
078	0908_MW260D_240418	HDPE (no PTFE)	20 mL	00352312066037	Grey	No	
078	0908_MW260D_240418	HDPE (no PTFE)	20 mL	00352312066271	Grey	No	
078	0908_MW260D_240418	HDPE (no PTFE)	20 mL	00352312028207	Grey	No	
079	0908_MW260S_240418	HDPE (no PTFE)	20 mL	00352312066181	Grey	No	
079	0908_MW260S_240418	HDPE (no PTFE)	20 mL	00352312066184	Grey	No	
079	0908_MW260S_240418	HDPE (no PTFE)	20 mL	00352312066155	Grey	No	
079	0908_MW260S_240418	HDPE (no PTFE)	20 mL	00352312066277	Grey	No	
080	0908_MW264D_240423	HDPE (no PTFE)	20 mL	00352312028590	Grey	No	
080	0908_MW264D_240423	HDPE (no PTFE)	20 mL	00352312028028	Grey	No	
080	0908_MW264D_240423	HDPE (no PTFE)	20 mL	00352312028160	Grey	No	
080	0908_MW264D_240423	HDPE (no PTFE)	20 mL	00352312028251	Grey	No	
081	0908_MW264S_240423	HDPE (no PTFE)	20 mL	00352312028084	Grey	No	
081	0908_MW264S_240423	HDPE (no PTFE)	20 mL	00352312028125	Grey	No	
081	0908_MW264S_240423	HDPE (no PTFE)	20 mL	00352312028524	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

081	0908_MW264S_240423	HDPE (no PTFE)	20 mL	00352312028133	Grey	No	
082	0908_MW278D_240416	HDPE (no PTFE)	20 mL	00352312066272	Grey	No	
082	0908_MW278D_240416	HDPE (no PTFE)	20 mL	00352312066099	Grey	No	
082	0908_MW278D_240416	HDPE (no PTFE)	20 mL	00352312066039	Grey	No	
082	0908_MW278D_240416	HDPE (no PTFE)	20 mL	00352312066133	Grey	No	
083	0908_MW278S_240416	HDPE (no PTFE)	20 mL	00352312066129	Grey	No	
083	0908_MW278S_240416	HDPE (no PTFE)	20 mL	00352312066244	Grey	No	
083	0908_MW278S_240416	HDPE (no PTFE)	20 mL	00352312066024	Grey	No	
083	0908_MW278S_240416	HDPE (no PTFE)	20 mL	00352312066003	Grey	No	
084	0908_MW279S_240416	HDPE (no PTFE)	20 mL	00352312066040	Grey	No	
084	0908_MW279S_240416	HDPE (no PTFE)	20 mL	00352312066177	Grey	No	
084	0908_MW279S_240416	HDPE (no PTFE)	20 mL	00352312066035	Grey	No	
084	0908_MW279S_240416	HDPE (no PTFE)	20 mL	00352312066015	Grey	No	
085	0908_MW280S_240423	HDPE (no PTFE)	20 mL	00352312028469	Grey	No	
085	0908_MW280S_240423	HDPE (no PTFE)	20 mL	00352312028271	Grey	No	
085	0908_MW280S_240423	HDPE (no PTFE)	20 mL	00352312028291	Grey	No	
085	0908_MW280S_240423	HDPE (no PTFE)	20 mL	00352312028525	Grey	No	
086	0908_MW281S_240417	HDPE (no PTFE)	20 mL	00352312028568	Grey	No	
086	0908_MW281S_240417	HDPE (no PTFE)	20 mL	00352312028406	Grey	No	
086	0908_MW281S_240417	HDPE (no PTFE)	20 mL	00352312028144	Grey	No	
086	0908_MW281S_240417	HDPE (no PTFE)	20 mL	00352312028301	Grey	No	
087	0908_MW282S_240417	HDPE (no PTFE)	20 mL	00352312028384	Grey	No	
087	0908_MW282S_240417	HDPE (no PTFE)	20 mL	00352312028299	Grey	No	
087	0908_MW282S_240417	HDPE (no PTFE)	20 mL	00352312028145	Grey	No	
087	0908_MW282S_240417	HDPE (no PTFE)	20 mL	00352312028225	Grey	No	
088	0908_MW304_240423	HDPE (no PTFE)	20 mL	00352312028550	Grey	No	
088	0908_MW304_240423	HDPE (no PTFE)	20 mL	00352312028357	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:
QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

088	0908_MW304_240423	HDPE (no PTFE)	20 mL	00352312028503	Grey	No	
088	0908_MW304_240423	HDPE (no PTFE)	20 mL	00352312028300	Grey	No	
089	0908_MW315D_240423	HDPE (no PTFE)	20 mL	00352312028243	Grey	No	
089	0908_MW315D_240423	HDPE (no PTFE)	20 mL	00352312028361	Grey	No	
089	0908_MW315D_240423	HDPE (no PTFE)	20 mL	00352312028440	Grey	No	
089	0908_MW315D_240423	HDPE (no PTFE)	20 mL	00352312028238	Grey	No	
090	0908_MW315S_240423	HDPE (no PTFE)	20 mL	00352312028217	Grey	No	
090	0908_MW315S_240423	HDPE (no PTFE)	20 mL	00352312028147	Grey	No	
090	0908_MW315S_240423	HDPE (no PTFE)	20 mL	00352312028526	Grey	No	
090	0908_MW315S_240423	HDPE (no PTFE)	20 mL	00352312028085	Grey	No	
091	0908_MW316D_240416	HDPE (no PTFE)	20 mL	00352312066215	Grey	No	
091	0908_MW316D_240416	HDPE (no PTFE)	20 mL	00352312066185	Grey	No	
091	0908_MW316D_240416	HDPE (no PTFE)	20 mL	00352312066245	Grey	No	
091	0908_MW316D_240416	HDPE (no PTFE)	20 mL	00352312066242	Grey	No	
092	0908_MW317D_240417	HDPE (no PTFE)	20 mL	00352312028031	Grey	No	
092	0908_MW317D_240417	HDPE (no PTFE)	20 mL	00352312028274	Grey	No	
092	0908_MW317D_240417	HDPE (no PTFE)	20 mL	00352312028138	Grey	No	
092	0908_MW317D_240417	HDPE (no PTFE)	20 mL	00352312028054	Grey	No	
093	0908_MW317S_240417	HDPE (no PTFE)	20 mL	00352312028281	Grey	No	
093	0908_MW317S_240417	HDPE (no PTFE)	20 mL	00352312028424	Grey	No	
093	0908_MW317S_240417	HDPE (no PTFE)	20 mL	00352312028529	Grey	No	
093	0908_MW317S_240417	HDPE (no PTFE)	20 mL	00352312028473	Grey	No	
094	0908_MW318D_240422	HDPE (no PTFE)	20 mL	00352312028337	Grey	No	
094	0908_MW318D_240422	HDPE (no PTFE)	20 mL	00352312028597	Grey	No	
094	0908_MW318D_240422	HDPE (no PTFE)	20 mL	00352312028479	Grey	No	
094	0908_MW318D_240422	HDPE (no PTFE)	20 mL	00352312028060	Grey	No	
095	0908_MW318S_240422	HDPE (no PTFE)	20 mL	00352312028290	Grey	No	

CHAIN OF CUSTODY

(ALS) COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:
QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free Ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

095	0908_MW318S_240422	HDPE (no PTFE)	20 mL	00352312028008	Grey	No	
095	0908_MW318S_240422	HDPE (no PTFE)	20 mL	00352312028535	Grey	No	
095	0908_MW318S_240422	HDPE (no PTFE)	20 mL	00352312028050	Grey	No	
096	0908_MW329_240418	HDPE (no PTFE)	20 mL	00352312028140	Grey	No	
096	0908_MW329_240418	HDPE (no PTFE)	20 mL	00352312028485	Grey	No	
096	0908_MW329_240418	HDPE (no PTFE)	20 mL	00352312028445	Grey	No	
096	0908_MW329_240418	HDPE (no PTFE)	20 mL	00352312028429	Grey	No	
097	0908_MW340D_240418	HDPE (no PTFE)	20 mL	00352312066284	Grey	No	
097	0908_MW340D_240418	HDPE (no PTFE)	20 mL	00352312066149	Grey	No	
097	0908_MW340D_240418	HDPE (no PTFE)	20 mL	00352312066130	Grey	No	
097	0908_MW340D_240418	HDPE (no PTFE)	20 mL	00352312066045	Grey	No	
098	0908_MW340S_240418	HDPE (no PTFE)	20 mL	00352312066137	Grey	No	
098	0908_MW340S_240418	HDPE (no PTFE)	20 mL	00352312066136	Grey	No	
098	0908_MW340S_240418	HDPE (no PTFE)	20 mL	00352312066084	Grey	No	
098	0908_MW340S_240418	HDPE (no PTFE)	20 mL	00352312066225	Grey	No	
099	0908_MW342D_240418	HDPE (no PTFE)	20 mL	00352312066249	Grey	No	
099	0908_MW342D_240418	HDPE (no PTFE)	20 mL	00352312066077	Grey	No	
099	0908_MW342D_240418	HDPE (no PTFE)	20 mL	00352312066087	Grey	No	
099	0908_MW342D_240418	HDPE (no PTFE)	20 mL	00352312066104	Grey	No	
100	0908_MW344D_240418	HDPE (no PTFE)	20 mL	00352312066010	Grey	No	
100	0908_MW344D_240418	HDPE (no PTFE)	20 mL	00352312066036	Grey	No	
100	0908_MW344D_240418	HDPE (no PTFE)	20 mL	00352312066050	Grey	No	
100	0908_MW344D_240418	HDPE (no PTFE)	20 mL	00352312066191	Grey	No	
101	0908_MW344S_240418	HDPE (no PTFE)	20 mL	00352312066011	Grey	No	
101	0908_MW344S_240418	HDPE (no PTFE)	20 mL	00352312066268	Grey	No	
101	0908_MW344S_240418	HDPE (no PTFE)	20 mL	00352312066267	Grey	No	
101	0908_MW344S_240418	HDPE (no PTFE)	20 mL	00352312066053	Grey	No	

CHAIN OF CUSTODY

COC#: 65902 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 32 °C

Other comments:

102	0908_MW354_240418	HDPE (no PTFE)	20 mL	00352312066108	Grey	No	
102	0908_MW354_240418	HDPE (no PTFE)	20 mL	00352312066004	Grey	No	
102	0908_MW354_240418	HDPE (no PTFE)	20 mL	00352312066000	Grey	No	
102	0908_MW354_240418	HDPE (no PTFE)	20 mL	00352312066261	Grey	No	
103	0908_MW406_240417	HDPE (no PTFE)	20 mL	00352312028102	Grey	No	
103	0908_MW406_240417	HDPE (no PTFE)	20 mL	00352312066269	Grey	No	
103	0908_MW406_240417	HDPE (no PTFE)	20 mL	00352312028194	Grey	No	
103	0908_MW406_240417	HDPE (no PTFE)	20 mL	00352312066186	Grey	No	
104	0908_MW441_240423	HDPE (no PTFE)	20 mL	00352312028574	Grey	No	
104	0908_MW441_240423	HDPE (no PTFE)	20 mL	00352312028100	Grey	No	
104	0908_MW441_240423	HDPE (no PTFE)	20 mL	00352312028548	Grey	No	
104	0908_MW441_240423	HDPE (no PTFE)	20 mL	00352312028588	Grey	No	
105	0908_MW466_240418	HDPE (no PTFE)	20 mL	00352312028506	Grey	No	
105	0908_MW466_240418	HDPE (no PTFE)	20 mL	00352312028441	Grey	No	
105	0908_MW466_240418	HDPE (no PTFE)	20 mL	00352312028292	Grey	No	
105	0908_MW466_240418	HDPE (no PTFE)	20 mL	00352312028078	Grey	No	
106	0908_MW468_240418	HDPE (no PTFE)	20 mL	00352312028417	Grey	No	
106	0908_MW468_240418	HDPE (no PTFE)	20 mL	00352312028450	Grey	No	
106	0908_MW468_240418	HDPE (no PTFE)	20 mL	00352312028120	Grey	No	
106	0908_MW468_240418	HDPE (no PTFE)	20 mL	00352312028315	Grey	No	
107	0908_MW829_240422	HDPE (no PTFE)	20 mL	00352312028218	Grey	No	
107	0908_MW829_240422	HDPE (no PTFE)	20 mL	00352312028182	Grey	No	
107	0908_MW829_240422	HDPE (no PTFE)	20 mL	00352312028434	Grey	No	
107	0908_MW829_240422	HDPE (no PTFE)	20 mL	00352312028521	Grey	No	
108	0908_MW842_240423	HDPE (no PTFE)	20 mL	00352312028451	Grey	No	
108	0908_MW842_240423	HDPE (no PTFE)	20 mL	00352312028099	Grey	No	
108	0908_MW842_240423	HDPE (no PTFE)	20 mL	00352312028142	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

108	0908_MW842_240423	HDPE (no PTFE)	20 mL	00352312028577	Grey	No	
109	0908_MW844_240423	HDPE (no PTFE)	20 mL	00352312028465	Grey	No	
109	0908_MW844_240423	HDPE (no PTFE)	20 mL	00352312028456	Grey	No	
109	0908_MW844_240423	HDPE (no PTFE)	20 mL	00352312028349	Grey	No	
109	0908_MW844_240423	HDPE (no PTFE)	20 mL	00352312028232	Grey	No	
110	0908_MW886_240423	HDPE (no PTFE)	20 mL	00352312028197	Grey	No	
110	0908_MW886_240423	HDPE (no PTFE)	20 mL	00352312028339	Grey	No	
110	0908_MW886_240423	HDPE (no PTFE)	20 mL	00352312028108	Grey	No	
110	0908_MW886_240423	HDPE (no PTFE)	20 mL	00352312028018	Grey	No	
111	0908_MW897D_240424	HDPE (no PTFE)	20 mL	00352312028146	Grey	No	
111	0908_MW897D_240424	HDPE (no PTFE)	20 mL	00352312028487	Grey	No	
111	0908_MW897D_240424	HDPE (no PTFE)	20 mL	00352312028442	Grey	No	
111	0908_MW897D_240424	HDPE (no PTFE)	20 mL	00352312028179	Grey	No	
112	0908_MW897S_240424	HDPE (no PTFE)	20 mL	00352312028010	Grey	No	
112	0908_MW897S_240424	HDPE (no PTFE)	20 mL	00352312028347	Grey	No	
112	0908_MW897S_240424	HDPE (no PTFE)	20 mL	00352312028579	Grey	No	
112	0908_MW897S_240424	HDPE (no PTFE)	20 mL	00352312028427	Grey	No	
113	0908_QC100_240415	HDPE (no PTFE)	20 mL	00352312066043	Grey	No	
113	0908_QC100_240415	HDPE (no PTFE)	20 mL	00352312066280	Grey	No	
113	0908_QC100_240415	HDPE (no PTFE)	20 mL	00352312066101	Grey	No	
113	0908_QC100_240415	HDPE (no PTFE)	20 mL	00352312066150	Grey	No	
114	0908_QC101_240416	HDPE (no PTFE)	20 mL	00352312066221	Grey	No	
114	0908_QC101_240416	HDPE (no PTFE)	20 mL	00352312066105	Grey	No	
114	0908_QC101_240416	HDPE (no PTFE)	20 mL	00352312066243	Grey	No	
114	0908_QC101_240416	HDPE (no PTFE)	20 mL	00352312066165	Grey	No	
115	0908_QC102_240416	HDPE (no PTFE)	20 mL	00352312066170	Grey	No	
115	0908_QC102_240416	HDPE (no PTFE)	20 mL	00352312066176	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

115	0908_QC102_240416	HDPE (no PTFE)	20 mL	00352312066140	Grey	No	
115	0908_QC102_240416	HDPE (no PTFE)	20 mL	00352312066127	Grey	No	
116	0908_QC104_240416	HDPE (no PTFE)	20 mL	00352312066122	Grey	No	
116	0908_QC104_240416	HDPE (no PTFE)	20 mL	00352312065991	Grey	No	
116	0908_QC104_240416	HDPE (no PTFE)	20 mL	00352312066074	Grey	No	
116	0908_QC104_240416	HDPE (no PTFE)	20 mL	00352312066103	Grey	No	
117	0908_QC106_240416	HDPE (no PTFE)	20 mL	00352312066113	Grey	No	
117	0908_QC106_240416	HDPE (no PTFE)	20 mL	00352312028037	Grey	No	
117	0908_QC106_240416	HDPE (no PTFE)	20 mL	00352312028581	Grey	No	
117	0908_QC106_240416	HDPE (no PTFE)	20 mL	00352312066252	Grey	No	
118	0908_QC107_240418	HDPE (no PTFE)	20 mL	00352312028591	Grey	No	
118	0908_QC107_240418	HDPE (no PTFE)	20 mL	00352312028254	Grey	No	
118	0908_QC107_240418	HDPE (no PTFE)	20 mL	00352312066079	Grey	No	
118	0908_QC107_240418	HDPE (no PTFE)	20 mL	00352312066019	Grey	No	
119	0908_QC109_240418	HDPE (no PTFE)	20 mL	00352312028184	Grey	No	
119	0908_QC109_240418	HDPE (no PTFE)	20 mL	00352312028344	Grey	No	
119	0908_QC109_240418	HDPE (no PTFE)	20 mL	00352312028093	Grey	No	
119	0908_QC109_240418	HDPE (no PTFE)	20 mL	00352312028219	Grey	No	
120	0908_QC110_240422	HDPE (no PTFE)	20 mL	00352312028153	Grey	No	
120	0908_QC110_240422	HDPE (no PTFE)	20 mL	00352312028518	Grey	No	
120	0908_QC110_240422	HDPE (no PTFE)	20 mL	00352312028580	Grey	No	
120	0908_QC110_240422	HDPE (no PTFE)	20 mL	00352312028201	Grey	No	
121	0908_QC300_240415	HDPE (no PTFE)	20 mL	00352312028457	Grey	No	
121	0908_QC300_240415	HDPE (no PTFE)	20 mL	00352312028494	Grey	No	
122	0908_QC301_240416	HDPE (no PTFE)	20 mL	00352312028346	Grey	No	
122	0908_QC301_240416	HDPE (no PTFE)	20 mL	00352312028412	Grey	No	
123	0908_QC302_240417	HDPE (no PTFE)	20 mL	00352312028264	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 19

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:
QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

123	0908_QC302_240417	HDPE (no PTFE)	20 mL	00352312028513	Grey	No	
124	0908_QC303_240418	HDPE (no PTFE)	20 mL	00352312028180	Grey	No	
124	0908_QC303_240418	HDPE (no PTFE)	20 mL	00352312028425	Grey	No	
125	0908_QC304_240419	HDPE (no PTFE)	20 mL	00352312028558	Grey	No	
125	0908_QC304_240419	HDPE (no PTFE)	20 mL	00352312028483	Grey	No	
126	0908_QC305_240422	HDPE (no PTFE)	20 mL	00352312028298	Grey	No	
126	0908_QC305_240422	HDPE (no PTFE)	20 mL	00352312028375	Grey	No	
127	0908_QC306_240423	HDPE (no PTFE)	20 mL	00352312028490	Grey	No	
127	0908_QC306_240423	HDPE (no PTFE)	20 mL	00352312028067	Grey	No	
128	0908_QC307_240424	HDPE (no PTFE)	20 mL	00352312028462	Grey	No	
128	0908_QC307_240424	HDPE (no PTFE)	20 mL	00352312028113	Grey	No	
129	0908_QC111_240424	HDPE (no PTFE)	20 mL	00352312028118	Grey	No	
129	0908_QC111_240424	HDPE (no PTFE)	20 mL	00352312028224	Grey	No	
129	0908_QC111_240424	HDPE (no PTFE)	20 mL	00352312028486	Grey	No	
129	0908_QC111_240424	HDPE (no PTFE)	20 mL	00352312028211	Grey	No	
130	0908_QC113_240424	HDPE (no PTFE)	20 mL	00352312028388	Grey	No	
130	0908_QC113_240424	HDPE (no PTFE)	20 mL	00352312028381	Grey	No	
130	0908_QC113_240424	HDPE (no PTFE)	20 mL	00352312028334	Grey	No	
130	0908_QC113_240424	HDPE (no PTFE)	20 mL	00352312028408	Grey	No	
131	0908_QC114_240424	HDPE (no PTFE)	20 mL	00352312028600	Grey	No	
131	0908_QC114_240424	HDPE (no PTFE)	20 mL	00352312028534	Grey	No	
131	0908_QC114_240424	HDPE (no PTFE)	20 mL	00352312028178	Grey	No	
131	0908_QC114_240424	HDPE (no PTFE)	20 mL	00352312028566	Grey	No	
132	0908_QC116_240424	HDPE (no PTFE)	20 mL	00352312028468	Grey	No	
132	0908_QC116_240424	HDPE (no PTFE)	20 mL	00352312066226	Grey	No	
132	0908_QC116_240424	HDPE (no PTFE)	20 mL	00352312066193	Grey	No	
132	0908_QC116_240424	HDPE (no PTFE)	20 mL	00352312066211	Grey	No	

CHAIN OF CUSTODY

COC#: 65902 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 3/4/24 1

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: GW

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

133	0908_QC115_240424	HDPE (no PTFE)	20 mL	00352312028407	Grey	No	
133	0908_QC115_240424	HDPE (no PTFE)	20 mL	00352312028460	Grey	No	
133	0908_QC115_240424	HDPE (no PTFE)	20 mL	00352312028428	Grey	No	
133	0908_QC115_240424	HDPE (no PTFE)	20 mL	00352312028320	Grey	No	

Total Bottle Count: ALS: 516, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413429**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66318	Issue Date	: 03-May-2024 12:43
Sampler	: [redacted]		
Site	: Offsite 5		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW238D_240422	0908_MW238S_240422	----	----	----
			Sampling date / time	22-Apr-2024 15:10	22-Apr-2024 14:59	----	----	----
Compound	CAS Number	LOR	Unit	ES2413429-001	ES2413429-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW238D_240422	0908_MW238S_240422	----	----	----
				Sampling date / time	22-Apr-2024 15:10	22-Apr-2024 14:59	----	----	----
Compound	CAS Number	LOR	Unit		ES2413429-001	ES2413429-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**93.5**	**93.1**	----	----	----
13C8-PFOA	----	0.02	%		**114**	**110**	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413429**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	[redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66318	Issue Date	: 03-May-2024
Sampler	: [redacted]		
Site	: Offsite 5		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.10	1.11	1.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.37	0.43	14.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.12	0.13	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955) - continued									
ES2413427-132	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.17	2.27	4.5	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	103	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	119	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	110	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	104	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	111	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	119	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	108	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	111	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	118	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	87.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	118	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	124	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	112	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	75.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	120	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	73.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	99.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	88.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	88.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	90.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	104	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.1	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.3	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	105	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	106	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955) - continued							
ES2413427-133	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	105	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	86.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	81.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	115	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413429**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 5	Issue Date	: 03-May-2024
Sampler	[redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW238D_240422, 0908_MW238S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW238D_240422, 0908_MW238S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW238D_240422, 0908_MW238S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW238D_240422, 0908_MW238S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW238D_240422, 0908_MW238S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2413429**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	[redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
[redacted]	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66318	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 5		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413429-001	22-Apr-2024 15:10	0908_MW238D_240422	✓
ES2413429-002	22-Apr-2024 14:59	0908_MW238S_240422	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

COC#: 66318 | ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 5

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW238D_240422		22/04/2024 03:10 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW238S_240422		22/04/2024 02:59 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney
Work Order Reference
ES2413429

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 66318 | ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 5

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW238D_240422	HDPE (no PTFE)	20 mL	00352312028103	Grey	No	
001	0908_MW238D_240422	HDPE (no PTFE)	20 mL	00352312028057	Grey	No	
001	0908_MW238D_240422	HDPE (no PTFE)	20 mL	00352312028072	Grey	No	
001	0908_MW238D_240422	HDPE (no PTFE)	20 mL	00352312028235	Grey	No	
002	0908_MW238S_240422	HDPE (no PTFE)	20 mL	00352312028321	Grey	No	
002	0908_MW238S_240422	HDPE (no PTFE)	20 mL	00352312028327	Grey	No	
002	0908_MW238S_240422	HDPE (no PTFE)	20 mL	00352312028036	Grey	No	
002	0908_MW238S_240422	HDPE (no PTFE)	20 mL	00352312028323	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413430**	Page	: 1 of 5
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:58
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66320	Issue Date	: 11-Jul-2024 13:10
Sampler	: [redacted]		
Site	: Offsite 2		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Amendment (DD/MM/YYYY): This report has been amended to alter the sampling time for sample ES2413430-002. All analysis results are as per the previous report.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW139_240423	0908_POT107_240423	----	----	----
			Sampling date / time	23-Apr-2024 11:05	23-Apr-2024 12:30	----	----	----
Compound	CAS Number	LOR	Unit	ES2413430-001	ES2413430-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	**0.01**	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	**0.02**	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	**0.01**	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW139_240423	0908_POT107_240423	----	----	----
				Sampling date / time	23-Apr-2024 11:05	23-Apr-2024 12:30	----	----	----
Compound	CAS Number	LOR	Unit		ES2413430-001	ES2413430-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**0.04**	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**0.03**	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**0.04**	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**93.1**	**87.9**	----	----	----
13C8-PFOA	----	0.02	%		**116**	**114**	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413430**	Page	: 1 of 7
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66320	Issue Date	: 11-Jul-2024
Sampler	: [redacted]		
Site	: Offsite 2		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.10	1.11	1.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.37	0.43	14.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.12	0.13	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955) - continued									
ES2413427-132	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.17	2.27	4.5	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	103	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	119	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	110	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	104	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	111	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	119	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	108	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	111	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	118	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	87.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	118	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	124	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	112	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	75.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	120	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	73.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	99.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	88.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	88.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	90.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	104	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.1	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.3	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	105	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	106	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955) - continued							
ES2413427-133	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	105	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	86.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	81.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	115	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413430**	Page	: 1 of 4
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 2	Issue Date	: 11-Jul-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW139_240423, 0908_POT107_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW139_240423, 0908_POT107_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW139_240423, 0908_POT107_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW139_240423, 0908_POT107_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW139_240423, 0908_POT107_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2413430**		
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66320	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 2		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:58	Issue Date	: 11-Jul-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **11/07/2024: This is an updated SRN reflecting the change in the sampling time for sample ES2413430-002.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2413430-001	23-Apr-2024 11:05	0908_MW139_240423	✓
ES2413430-002	23-Apr-2024 12:30	0908_POT107_240423	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

COC#: 66320 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 24/4/24 1935	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 2

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW139_240423		23/04/2024 11:05 AM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_POT107_240423		23/04/2024 11:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney
Work Order Reference
ES2413430

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: **66320** *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 2

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW139_240423	HDPE (no PTFE)	20 mL	00352312028246	Grey	No	
001	0908_MW139_240423	HDPE (no PTFE)	20 mL	00352312028096	Grey	No	
001	0908_MW139_240423	HDPE (no PTFE)	20 mL	00352312028079	Grey	No	
001	0908_MW139_240423	HDPE (no PTFE)	20 mL	00352312028593	Grey	No	
002	0908_POT107_240423	HDPE (no PTFE)	20 mL	00352312028354	Grey	No	
002	0908_POT107_240423	HDPE (no PTFE)	20 mL	00352312028245	Grey	No	
002	0908_POT107_240423	HDPE (no PTFE)	20 mL	00352312028222	Grey	No	
002	0908_POT107_240423	HDPE (no PTFE)	20 mL	00352312028242	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413431**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66321	Issue Date	: 03-May-2024 12:43
Sampler	: [redacted]		
Site	: Offsite 7		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD019_240422	----	----	----	----
			Sampling date / time	22-Apr-2024 11:12	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2413431-001	--------	--------	--------	--------
				Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**27.0**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0053**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD019_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 11:12	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413431-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0053**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0053**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0053**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**89.9**	----	----	----	----
13C8-PFOA	----	0.0002	%		**97.1**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW019_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 11:20	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413431-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.02**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.15**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.13**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)			Sample ID	0908_SW019_240422	----	----	----	----
			Sampling date / time	22-Apr-2024 11:20	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2413431-002	--------	--------	--------	--------
				Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued								
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	----	----	----	----
EP231P: PFAS Sums								
Sum of PFAS	----	0.01	µg/L	**0.30**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L	**0.28**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L	**0.28**	----	----	----	----
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.02	%	**88.3**	----	----	----	----
13C8-PFOA	----	0.02	%	**111**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413431**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66321	Issue Date	: 03-May-2024
Sampler	: [redacted]		
Site	: Offsite 7		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5757612)									
ES2413433-001	Anonymous	EA055: Moisture Content	----	0.1	%	51.2	53.2	3.8	0% - 20%
ES2413562-001	Anonymous	EA055: Moisture Content	----	0.1	%	74.3	73.8	0.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	0908_SD019_240422	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0053	0.0048	10.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0037	0.0034	10.6	0% - 50%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0174	0.0168	3.8	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176)									
ES2413431-001	0908_SD019_240422	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176) - continued									
ES2413431-001	0908_SD019_240422	EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0006	0.0004	31.8	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0016	0.0013	18.9	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0005	0.0004	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176)									
ES2413431-001	0908_SD019_240422	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176) - continued									
ES2413504-004	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	0908_SD019_240422	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.10	1.11	1.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.37	0.43	14.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.12	0.13	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955) - continued									
ES2413427-132	Anonymous	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955) - continued									
ES2413434-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.17	2.27	4.5	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	81.5	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.5	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	76.7	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	88.6	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.0	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	87.1	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.7	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.1	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.9	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.2	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.0	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.7	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.0	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.2	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	95.4	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	103	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.0	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	93.5	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.3	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.2	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	82.4	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	90.5	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	81.6	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	86.7	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	103	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	119	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	110	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	104	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	111	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	119	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	108	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	111	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	118	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	87.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	118	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	124	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	112	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	0908_SD019_240422	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	82.1	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	85.7	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.9	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	90.7	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	73.1	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	99.0	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)							
ES2413431-001	0908_SD019_240422	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	88.6	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	92.8	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	88.3	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	92.1	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	86.8	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	87.8	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	96.5	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	102	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	116	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	101	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	99.3	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)							
ES2413431-001	0908_SD019_240422	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	96.4	67.0	137

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176) - continued							
ES2413431-001	0908_SD019_240422	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	97.0	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	101	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	99.3	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	90.8	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	112	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	88.5	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	0908_SD019_240422	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	82.8	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	97.7	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	90.3	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	79.1	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	75.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	120	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	73.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	99.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	88.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	88.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	90.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	104	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.1	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.3	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	105	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	106	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	105	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	86.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	81.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	115	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413431**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 7	Issue Date	: 03-May-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055)							
0908_SD019_240422	**22-Apr-2024**	**----**	----	----	**30-Apr-2024**	06-May-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X)							
0908_SD019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X)							
0908_SD019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X)							
0908_SD019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_SW019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_SW019_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	18	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413431**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66321	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 7		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2413431-001	22-Apr-2024 11:12	0908_SD019_240422	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413431-002	22-Apr-2024 11:20	0908_SW019_240422	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

COC#: 66321 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 7

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SD019_240422		22/04/2024 11:12 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
002	0908_SW019_240422		22/04/2024 11:20 AM	WATER	ALS: 4 Non ALS: 0	No		X		

Environmental Division Sydney

Work Order Reference

ES2413431

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 66321 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 7

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SD019_240422	HDPE Soil Jar	200 mL	0062122049410	Grey	No	
002	0908_SW019_240422	HDPE (no PTFE)	20 mL	00352312028409	Grey	No	
002	0908_SW019_240422	HDPE (no PTFE)	20 mL	00352312028043	Grey	No	
002	0908_SW019_240422	HDPE (no PTFE)	20 mL	00352312028188	Grey	No	
002	0908_SW019_240422	HDPE (no PTFE)	20 mL	00352312028495	Grey	No	

Total Bottle Count: ALS: 5, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413432**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66322	Issue Date	: 03-May-2024 12:43
Sampler	: [redacted]		
Site	: Offsite 6		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW270D_240422	0908_MW270S_240422	----	----	----
			Sampling date / time	22-Apr-2024 10:35	22-Apr-2024 10:47	----	----	----
Compound	CAS Number	LOR	Unit	ES2413432-001	ES2413432-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	**0.02**	<0.01	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW270D_240422	0908_MW270S_240422	----	----	----
				Sampling date / time	22-Apr-2024 10:35	22-Apr-2024 10:47	----	----	----
Compound	CAS Number	LOR	Unit		ES2413432-001	ES2413432-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.02**	<0.01	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.02**	<0.01	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.02**	<0.01	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**91.1**	**88.5**	----	----	----
13C8-PFOA	----	0.02	%		**110**	**110**	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413432**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66322	Issue Date	: 03-May-2024
Sampler	: [redacted]		
Site	: Offsite 6		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.10	1.11	1.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.37	0.43	14.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.12	0.13	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955) - continued									
ES2413427-132	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.17	2.27	4.5	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	103	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	119	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	110	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	104	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	111	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	119	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	108	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	111	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	118	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	87.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	118	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	124	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	112	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	75.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	120	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	73.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	99.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	88.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	88.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	90.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	104	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.1	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.3	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	105	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	106	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955) - continued							
ES2413427-133	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	105	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	86.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	81.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	115	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413432**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 6	Issue Date	: 03-May-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW270D_240422, 0908_MW270S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW270D_240422, 0908_MW270S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW270D_240422, 0908_MW270S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW270D_240422, 0908_MW270S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW270D_240422, 0908_MW270S_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413432**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66322	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 6		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413432-001	22-Apr-2024 10:35	0908_MW270D_240422	✓
ES2413432-002	22-Apr-2024 10:47	0908_MW270S_240422	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

ALS COC#: 66322 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 6

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW270D_240422		22/04/2024 10:35 AM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW270S_240422		22/04/2024 10:47 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney

Work Order Reference

ES2413432

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

CQC#: 66322 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 6

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW270D_240422	HDPE (no PTFE)	20 mL	00352312028373	Grey	No	
001	0908_MW270D_240422	HDPE (no PTFE)	20 mL	00352312028248	Grey	No	
001	0908_MW270D_240422	HDPE (no PTFE)	20 mL	00352312028400	Grey	No	
001	0908_MW270D_240422	HDPE (no PTFE)	20 mL	00352312028330	Grey	No	
002	0908_MW270S_240422	HDPE (no PTFE)	20 mL	00352312028603	Grey	No	
002	0908_MW270S_240422	HDPE (no PTFE)	20 mL	00352312028261	Grey	No	
002	0908_MW270S_240422	HDPE (no PTFE)	20 mL	00352312028206	Grey	No	
002	0908_MW270S_240422	HDPE (no PTFE)	20 mL	00352312028543	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413433**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66323	Issue Date	: 03-May-2024 12:45
Sampler	: [redacted]		
Site	: Offsite 1		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 5		
No. of samples analysed	: 5		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD254_240423	0908_SD255_240423	0908_SD259_240423	0908_SD326_240423	----
			Sampling date / time	23-Apr-2024 08:40	23-Apr-2024 08:35	23-Apr-2024 08:25	23-Apr-2024 08:45	----
Compound	CAS Number	LOR	Unit	ES2413433-001	ES2413433-002	ES2413433-003	ES2413433-004	--------
				Result	Result	Result	Result	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**51.2**	**13.9**	**23.0**	**29.7**	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	**0.0018**	<0.0002	<0.0002	**0.0004**	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	**0.0002**	<0.0002	<0.0002	<0.0002	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0229**	**0.0109**	**0.0004**	**0.0127**	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	**0.0004**	<0.0002	<0.0002	<0.0002	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	**0.0005**	<0.0002	<0.0002	<0.0002	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD254_240423	0908_SD255_240423	0908_SD259_240423	0908_SD326_240423	----
			Sampling date / time	23-Apr-2024 08:40	23-Apr-2024 08:35	23-Apr-2024 08:25	23-Apr-2024 08:45	----
Compound	CAS Number	LOR	Unit	ES2413433-001	ES2413433-002	ES2413433-003	ES2413433-004	--------
				Result	Result	Result	Result	----
EP231C: Perfluoroalkyl Sulfonamides - Continued								
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
EP231P: PFAS Sums								
Sum of PFAS	----	0.0002	mg/kg	**0.0258**	**0.0109**	**0.0004**	**0.0131**	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	**0.0247**	**0.0109**	**0.0004**	**0.0131**	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg	**0.0252**	**0.0109**	**0.0004**	**0.0131**	----
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.0002	%	**97.4**	**92.4**	**90.0**	**98.4**	----
13C8-PFOA	----	0.0002	%	**95.4**	**97.0**	**99.2**	**98.6**	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW259_240423	----	----	----	----
				Sampling date / time	23-Apr-2024 08:22	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413433-005	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.06**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.07**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.49**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.03**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.39**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.09**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.02**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW259_240423	----	----	----	----
				Sampling date / time	23-Apr-2024 08:22	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413433-005	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.17**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.88**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.05**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**94.6**	----	----	----	----
13C8-PFOA	----	0.02	%		**116**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413433**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66323	Issue Date	: 03-May-2024
Sampler	: [redacted]		
Site	: Offsite 1		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 5		
No. of samples analysed	: 5		

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Accredited for compliance with
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This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5757612)									
ES2413433-001	0908_SD254_240423	EA055: Moisture Content	----	0.1	%	51.2	53.2	3.8	0% - 20%
ES2413562-001	Anonymous	EA055: Moisture Content	----	0.1	%	74.3	73.8	0.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0053	0.0048	10.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0037	0.0034	10.6	0% - 50%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0174	0.0168	3.8	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176) - continued									
ES2413431-001	Anonymous	EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0006	0.0004	31.8	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0016	0.0013	18.9	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0005	0.0004	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176) - continued									
ES2413504-004	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.10	1.11	1.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.37	0.43	14.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.12	0.13	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955) - continued									
ES2413427-132	Anonymous	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955) - continued									
ES2413434-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2413434-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	2.17	2.27	4.5	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	81.5	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.5	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	76.7	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	88.6	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.0	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	87.1	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.7	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.1	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.9	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.2	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.0	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.7	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.0	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.2	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	95.4	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	103	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.0	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	93.5	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.3	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.2	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	82.4	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	90.5	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	81.6	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	86.7	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	103	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	119	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	110	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	104	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	111	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	119	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	108	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	111	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	118	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	87.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	118	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	124	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	112	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	82.1	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	85.7	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.9	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	90.7	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	73.1	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	99.0	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	88.6	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	92.8	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	88.3	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	92.1	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	86.8	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	87.8	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	96.5	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	102	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	116	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	101	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	99.3	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	96.4	67.0	137

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176) - continued							
ES2413431-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	97.0	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	101	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	99.3	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	90.8	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	112	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	88.5	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	82.8	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	97.7	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	90.3	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	79.1	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	75.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	120	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	73.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	99.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	88.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	88.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	90.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	104	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.1	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.3	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	105	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	106	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	105	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	86.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	81.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	115	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413433**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 1	Issue Date	: 03-May-2024
Sampler	: [redacted]	No. of samples received	: 5
Order number	: 60612562_8.1	No. of samples analysed	: 5

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055)							
0908_SD254_240423, 0908_SD255_240423, 0908_SD259_240423, 0908_SD326_240423	**23-Apr-2024**	**----**	----	----	**30-Apr-2024**	07-May-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD254_240423, 0908_SD255_240423, 0908_SD259_240423, 0908_SD326_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X)							
0908_SD254_240423, 0908_SD255_240423, 0908_SD259_240423, 0908_SD326_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X)							
0908_SD254_240423, 0908_SD255_240423, 0908_SD259_240423, 0908_SD326_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD254_240423, 0908_SD255_240423, 0908_SD259_240423, 0908_SD326_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X)							
0908_SD254_240423, 0908_SD255_240423, 0908_SD259_240423, 0908_SD326_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW259_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW259_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_SW259_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW259_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_SW259_240423	**23-Apr-2024**	**02-May-2024**	20-Oct-2024	✓	**03-May-2024**	20-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	18	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413433**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66323	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 1		
Sampler	: [redacted] HENDERSON		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 5 / 5

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2413433-001	23-Apr-2024 08:40	0908_SD254_240423	✓	✓
ES2413433-002	23-Apr-2024 08:35	0908_SD255_240423	✓	✓
ES2413433-003	23-Apr-2024 08:25	0908_SD259_240423	✓	✓
ES2413433-004	23-Apr-2024 08:45	0908_SD326_240423	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413433-005	23-Apr-2024 08:22	0908_SW259_240423	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

(ALS) COC#: , 66323 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 1

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:	3-2		

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SD254_240423		23/04/2024 08:40 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
002	0908_SD255_240423		23/04/2024 08:35 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
003	0908_SD259_240423		23/04/2024 08:25 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
004	0908_SD326_240423		23/04/2024 08:45 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
005	0908_SW259_240423		23/04/2024 08:22 AM	WATER	ALS: 4 Non ALS: 0	No		X		

Environmental Division Sydney
Work Order Reference
ES2413433

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

ALS COC#: 66323 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 1

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SD254_240423	HDPE Soil Jar	200 mL	00621222049325	Grey	No	
002	0908_SD255_240423	HDPE Soil Jar	200 mL	00621222049415	Grey	No	
003	0908_SD259_240423	HDPE Soil Jar	200 mL	00621222049351	Grey	No	
004	0908_SD326_240423	HDPE Soil Jar	200 mL	00621222049319	Grey	No	
005	0908_SW259_240423	HDPE (no PTFE)	20 mL	00352312028500	Grey	No	
005	0908_SW259_240423	HDPE (no PTFE)	20 mL	00352312028162	Grey	No	
005	0908_SW259_240423	HDPE (no PTFE)	20 mL	00352312028358	Grey	No	
005	0908_SW259_240423	HDPE (no PTFE)	20 mL	00352312028181	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413434**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66327	Issue Date	: 03-May-2024 12:45
Sampler	: [redacted]		
Site	: Offsite 4		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD333_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 15:50	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413434-002	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**61.0**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		**0.0006**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		**0.0017**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0248**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0027**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.123**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		**0.0219**	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		**0.0007**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		**0.0019**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		**0.0007**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		**0.0012**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		**0.0004**	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		**0.0009**	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD333_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 15:50	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413434-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.181**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.148**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.153**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**98.3**	----	----	----	----
13C8-PFOA	----	0.0002	%		**101**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW333_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 15:40	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413434-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.12**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.18**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**1.10**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.06**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.37**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.03**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.21**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.02**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.04**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW333_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 15:40	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413434-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.17**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.47**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.89**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**89.0**	----	----	----	----
13C8-PFOA	----	0.02	%		**110**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413434**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66327	Issue Date	: 03-May-2024
Sampler	: [redacted]		
Site	: Offsite 4		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5757612)									
ES2413433-001	Anonymous	EA055: Moisture Content	----	0.1	%	51.2	53.2	3.8	0% - 20%
ES2413562-001	Anonymous	EA055: Moisture Content	----	0.1	%	74.3	73.8	0.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0053	0.0048	10.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0037	0.0034	10.6	0% - 50%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0174	0.0168	3.8	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176) - continued									
ES2413431-001	Anonymous	EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0006	0.0004	31.8	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0016	0.0013	18.9	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0005	0.0004	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176) - continued									
ES2413504-004	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413434-001	0908_SW333_240422	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.10	1.11	1.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.37	0.43	14.6	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.12	0.13	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5761955) - continued									
ES2413427-132	Anonymous	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413434-001	0908_SW333_240422	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	0908_SW333_240422	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5761955) - continued									
ES2413434-001	0908_SW333_240422	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413434-001	0908_SW333_240422	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5761955)									
ES2413427-132	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2413434-001	0908_SW333_240422	EP231X: Sum of PFAS	----	0.01	µg/L	2.17	2.27	4.5	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	81.5	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.5	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	76.7	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	88.6	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.0	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	87.1	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.7	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.1	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.9	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.2	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.0	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.7	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.0	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.2	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	95.4	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	103	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.0	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	93.5	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.3	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.2	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	82.4	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	90.5	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	81.6	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	86.7	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	92.7	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	116	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	103	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	119	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	110	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	104	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	111	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	119	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	111	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	117	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	101	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	108	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	111	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	118	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	87.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	92.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	118	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	124	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	112	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	82.1	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	85.7	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.9	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	90.7	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	73.1	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	99.0	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	88.6	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	92.8	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	88.3	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	92.1	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	86.8	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	87.8	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	96.5	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	102	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	116	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	101	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	99.3	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	96.4	67.0	137

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176) - continued							
ES2413431-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	97.0	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	101	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	99.3	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	90.8	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	112	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	88.5	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	82.8	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	97.7	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	90.3	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	79.1	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	75.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	92.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	120	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	73.2	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	99.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.3	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	88.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	88.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	90.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	104	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.1	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	103	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.3	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	105	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	106	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	105	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	105	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	86.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5761955)							
ES2413427-133	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.2	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	81.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	115	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413434**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 4	Issue Date	: 03-May-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055)							
0908_SD333_240422	**22-Apr-2024**	**----**	----	----	**30-Apr-2024**	06-May-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X)							
0908_SD333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X)							
0908_SD333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X)							
0908_SD333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_SW333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_SW333_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	19-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	18	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413434**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66327	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 4		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2413434-002	22-Apr-2024 15:50	0908_SD333_240422	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413434-001	22-Apr-2024 15:40	0908_SW333_240422	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

ALS COC#: 66327 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: 22/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 4

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SW333_240422		22/04/2024 03:40 PM	WATER	ALS: 4 Non ALS: 0	No		X		
002	0908_SD333_240422		22/04/2024 03:50 PM	SOIL	ALS: 1 Non ALS: 0	No	X			

Environmental Division Sydney

Work Order Reference

ES2413434

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 66327 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 4

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments: 3.2

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SW333_240422	HDPE (no PTFE)	20 mL	00352312028198	Grey	No	
001	0908_SW333_240422	HDPE (no PTFE)	20 mL	00352312028277	Grey	No	
001	0908_SW333_240422	HDPE (no PTFE)	20 mL	00352312028156	Grey	No	
001	0908_SW333_240422	HDPE (no PTFE)	20 mL	00352312028313	Grey	No	
002	0908_SD333_240422	HDPE Soil Jar	200 mL	00621222049426	Grey	No	

Total Bottle Count: ALS: 5, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413435**	Page	: 1 of 9
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66328	Issue Date	: 03-May-2024 12:45
Sampler	: [redacted]		
Site	: Offsite 3		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 4		
No. of samples analysed	: 4		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW147D_240422	0908_MW147S_240422	----	----	----
			Sampling date / time	22-Apr-2024 13:39	22-Apr-2024 13:44	----	----	----
Compound	CAS Number	LOR	Unit	ES2413435-001	ES2413435-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	**0.03**	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	**0.02**	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	**0.12**	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	**0.05**	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	**0.03**	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW147D_240422	0908_MW147S_240422	----	----	----
				Sampling date / time	22-Apr-2024 13:39	22-Apr-2024 13:44	----	----	----
Compound	CAS Number	LOR	Unit		ES2413435-001	ES2413435-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**0.25**	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**0.17**	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**0.23**	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**93.2**	**95.5**	----	----	----
13C8-PFOA	----	0.02	%		**102**	**105**	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD600_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 14:05	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413435-004	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**30.5**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		**0.0002**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0026**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0142**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		**0.0002**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		**0.0006**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		**0.0002**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD600_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 14:05	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413435-004	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0186**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0168**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0181**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**93.8**	----	----	----	----
13C8-PFOA	----	0.0002	%		**99.4**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW600_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 13:54	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413435-003	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.16**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.22**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**1.35**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.08**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**1.30**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.06**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.30**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.04**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.06**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW600_240422	----	----	----	----
				Sampling date / time	22-Apr-2024 13:54	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413435-003	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**3.63**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.65**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**3.27**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**96.0**	----	----	----	----
13C8-PFOA	----	0.02	%		**105**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413435**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 66328	Issue Date	: 03-May-2024
Sampler	: [redacted]		
Site	: Offsite 3		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 4		
No. of samples analysed	: 4		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5757612)									
ES2413433-001	Anonymous	EA055: Moisture Content	----	0.1	%	51.2	53.2	3.8	0% - 20%
ES2413562-001	Anonymous	EA055: Moisture Content	----	0.1	%	74.3	73.8	0.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0053	0.0048	10.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0037	0.0034	10.6	0% - 50%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0174	0.0168	3.8	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176) - continued									
ES2413431-001	Anonymous	EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0006	0.0004	31.8	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0016	0.0013	18.9	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0005	0.0004	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176) - continued									
ES2413504-004	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5755643)									
ES2413562-020	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.49	0.47	4.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	2.50	2.81	11.9	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.03	0.03	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413562-022	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.32	0.32	0.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.81	0.69	16.5	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5755643)									
ES2413562-020	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.05	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.03	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5755643) - continued									
ES2413562-020	Anonymous	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.13	0.13	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413562-022	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.08	0.07	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.05	0.06	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5755643)									
ES2413562-020	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413562-022	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5755643) - continued									
ES2413562-022	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5755643)									
ES2413562-020	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413562-022	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5755643)									
ES2413562-020	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	3.32	3.60	8.1	0% - 20%
ES2413562-022	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	1.26	1.15	9.1	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	81.5	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.5	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	76.7	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	88.6	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.0	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	87.1	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.7	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.1	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.9	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.2	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.0	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.7	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.0	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.2	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	95.4	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	103	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.0	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	93.5	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.3	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.2	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	82.4	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	90.5	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	81.6	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	86.7	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5755643)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	79.0	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	86.9	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	88.3	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	89.1	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755643)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	87.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	94.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	95.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	92.2	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	96.9	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	96.5	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	96.7	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.6	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	102	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	108	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755643)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	106	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	86.0	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	92.8	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	94.3	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	113	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755643) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	100	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	91.2	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5755643)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	107	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	103	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	91.4	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	82.1	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	85.7	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.9	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	90.7	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	73.1	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	99.0	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	88.6	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	92.8	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	88.3	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	92.1	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	86.8	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	87.8	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	96.5	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	102	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	116	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	101	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	99.3	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	96.4	67.0	137

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176) - continued							
ES2413431-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	97.0	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	101	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	99.3	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	90.8	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	112	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	88.5	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	82.8	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	97.7	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	90.3	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	79.1	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5755643)							
ES2413562-021	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	76.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	95.4	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	90.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	101	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	95.1	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	76.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755643)							
ES2413562-021	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	87.8	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	91.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	94.5	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	93.8	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	94.5	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	101	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	91.8	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	89.1	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.9	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	115	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	99.7	71.0	132

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755643)							
ES2413562-021	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	106	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	84.4	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	76.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	91.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	96.8	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5755643)							
ES2413562-021	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	98.5	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	105	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	125	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	96.0	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413435**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: Offsite 3	Issue Date	: 03-May-2024
Sampler	: [redacted]	No. of samples received	: 4
Order number	: 60612562_8.1	No. of samples analysed	: 4

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055)							
0908_SD600_240422	**22-Apr-2024**	**----**	----	----	**30-Apr-2024**	06-May-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD600_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X)							
0908_SD600_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X)							
0908_SD600_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD600_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X)							
0908_SD600_240422	**22-Apr-2024**	**02-May-2024**	19-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW147D_240422, 0908_MW147S_240422, 0908_SW600_240422	**22-Apr-2024**	**30-Apr-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW147D_240422, 0908_MW147S_240422, 0908_SW600_240422	**22-Apr-2024**	**30-Apr-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides								
HDPE (no PTFE) (EP231X)								
0908_MW147D_240422, 0908_SW600_240422	0908_MW147S_240422,	**22-Apr-2024**	**30-Apr-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_MW147D_240422, 0908_SW600_240422	0908_MW147S_240422,	**22-Apr-2024**	**30-Apr-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
EP231P: PFAS Sums								
HDPE (no PTFE) (EP231X)								
0908_MW147D_240422, 0908_SW600_240422	0908_MW147S_240422,	**22-Apr-2024**	**30-Apr-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	20	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	18	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	18	**5.56**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	14	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	14	**7.14**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2413435**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66328	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 3		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 26-Apr-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 4 / 4

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2413435-004	22-Apr-2024 14:05	0908_SD600_240422	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2413435-001	22-Apr-2024 13:39	0908_MW147D_240422	✓
ES2413435-002	22-Apr-2024 13:44	0908_MW147S_240422	✓
ES2413435-003	22-Apr-2024 13:54	0908_SW600_240422	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

ALS COC#: 66328 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 3

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW147D_240422		22/04/2024 01:39 PM	WATER	ALS: 4 Non ALS: 0	No		X		
002	0908_MW147S_240422		22/04/2024 01:44 PM	WATER	ALS: 4 Non ALS: 0	No		X		
003	0908_SW600_240422		22/04/2024 01:54 PM	WATER	ALS: 4 Non ALS: 0	No		X		
004	0908_SD600_240422		22/04/2024 02:05 PM	SOIL	ALS: 1 Non ALS: 0	No	X			

Environmental Division Sydney
Work Order Reference
ES2413435

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 66328 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 3

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW147D_240422	HDPE (no PTFE)	20 mL	00352312028345	Grey	No	
001	0908_MW147D_240422	HDPE (no PTFE)	20 mL	00352312028363	Grey	No	
001	0908_MW147D_240422	HDPE (no PTFE)	20 mL	00352312028389	Grey	No	
001	0908_MW147D_240422	HDPE (no PTFE)	20 mL	00352312028404	Grey	No	
002	0908_MW147S_240422	HDPE (no PTFE)	20 mL	00352312028239	Grey	No	
002	0908_MW147S_240422	HDPE (no PTFE)	20 mL	00352312028195	Grey	No	
002	0908_MW147S_240422	HDPE (no PTFE)	20 mL	00352312028056	Grey	No	
002	0908_MW147S_240422	HDPE (no PTFE)	20 mL	00352312028446	Grey	No	
003	0908_SW600_240422	HDPE (no PTFE)	20 mL	00352312028463	Grey	No	
003	0908_SW600_240422	HDPE (no PTFE)	20 mL	00352312028086	Grey	No	
003	0908_SW600_240422	HDPE (no PTFE)	20 mL	00352312028352	Grey	No	
003	0908_SW600_240422	HDPE (no PTFE)	20 mL	00352312028343	Grey	No	
004	0908_SD600_240422	HDPE Soil Jar	200 mL	00621222049318	Grey	No	

Total Bottle Count: ALS: 13, Non ALS: 0

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413562**	Page	: 1 of 10
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: SW/SD	Issue Date	: 03-May-2024
Sampler	[redacted]	No. of samples received	: 45
Order number	: 60612562_8.1	No. of samples analysed	: 43

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413562--001	0908_SD001_240424	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413562--001	0908_SD001_240424	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413562--024	0908_SW009_240422	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Outliers : Analysis Holding Time Compliance

Matrix: **SOIL**

Method / Container / Client Sample ID(s)		Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar							
0908_SD005_240416,	0908_SD014_240416,	----	----	----	01-May-2024	30-Apr-2024	**1**
0908_SD023_240416,	0908_SD024_240424,						
0908_SD059_240416,	0908_SD079_240416,						
0908_QC105_240416,	0908_QC108_240416						

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240424, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416, 0908_QC108_240416	**16-Apr-2024**	**----**	----	----	**01-May-2024**	30-Apr-2024	×
HDPE Soil Jar (EA055) 0908_SD055_240417	**17-Apr-2024**	**----**	----	----	**30-Apr-2024**	01-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD047_24018, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**----**	----	----	**30-Apr-2024**	02-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**----**	----	----	**30-Apr-2024**	06-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**----**	----	----	**30-Apr-2024**	07-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**----**	----	----	**30-Apr-2024**	08-May-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240424, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_24018, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240424, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_24018, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240424, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_24018, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240424, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_24018, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240424, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_24018, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_2404, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_2404, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides								
HDPE (no PTFE) (EP231X)								
0908_SW014_240416,	0908_SW023_240416,	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
0908_SW024_240416,	0908_SW059_240416,							
0908_SW079_240416,	0908_QC103_240416							
HDPE (no PTFE) (EP231X)								
0908_SW005_240416		**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW055_240417		**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW047_240418,	0908_SW048_240418,	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
0908_SW108_240418,	0908_SW110_240418							
HDPE (no PTFE) (EP231X)								
0908_SW009_240422,	0908_SW060_240422,	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
0908_SW062_240422,	0908_QC112_240422							
HDPE (no PTFE) (EP231X)								
0908_SW011_240423,	0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW007_240424,	0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW001_2404,	0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_SW014_240416,	0908_SW023_240416,	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
0908_SW024_240416,	0908_SW059_240416,							
0908_SW079_240416,	0908_QC103_240416							
HDPE (no PTFE) (EP231X)								
0908_SW005_240416		**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW055_240417		**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW047_240418,	0908_SW048_240418,	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
0908_SW108_240418,	0908_SW110_240418							
HDPE (no PTFE) (EP231X)								
0908_SW009_240422,	0908_SW060_240422,	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
0908_SW062_240422,	0908_QC112_240422							
HDPE (no PTFE) (EP231X)								
0908_SW011_240423,	0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW007_240424,	0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X)								
0908_SW001_2404,	0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_2404, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	6	52	**11.54**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	4	38	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	38	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	38	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	38	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	4	33	**12.12**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	33	**6.06**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	33	**6.06**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	33	**6.06**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

CERTIFICATE OF ANALYSIS

Work Order	: **ES2413562**	Page	: 1 of 23
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024 15:48
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 65891	Issue Date	: 12-Jul-2024 11:21
Sampler	: [redacted]		
Site	: SW/SD		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 45		
No. of samples analysed	: 43		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Amendment (12/07/2024): This report has been amended as a result of a request to change sample identification numbers (IDs) received from Sidnee Harris on 12/07/2024, for samples ES2413562-009, 010 and 020. All analysis results are as per the previous report.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD001_240424	0908_SD005_240416	0908_SD006_240424	0908_SD007_240424	0908_SD009_240422
			Sampling date / time	24-Apr-2024 11:40	16-Apr-2024 15:38	24-Apr-2024 12:15	24-Apr-2024 12:05	22-Apr-2024 13:00
Compound	CAS Number	LOR	Unit	ES2413562-001	ES2413562-002	ES2413562-003	ES2413562-004	ES2413562-005
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**74.3**	**21.2**	**67.2**	**19.4**	**21.4**
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	**0.0012**	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	**0.0020**	<0.0002	**0.0003**	<0.0002	<0.0002
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	**0.0239**	**0.0003**	**0.0123**	**0.0006**	**0.0048**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	**0.0025**	<0.0002	**0.0010**	<0.0002	**0.0004**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.176**	**0.0069**	**0.391**	**0.0101**	**0.0179**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	**0.0012**
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	**0.003**	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	**0.0016**	<0.0002	**0.0026**	<0.0002	<0.0002
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	**0.0021**	<0.0002	**0.0011**	<0.0002	**0.0002**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	**0.0017**	<0.0002	**0.0005**	<0.0002	<0.0002
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	**0.0006**	**0.0002**	**0.0007**	<0.0002	**0.0002**
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	**0.0003**	<0.0002	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	**0.0006**	<0.0002	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	**0.0004**	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	**0.0009**	<0.0002	**0.0023**	<0.0002	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	**0.0003**	<0.0002	<0.0002
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	**0.0015**	<0.0002	**0.0010**	<0.0002	**0.0007**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD001_240424	0908_SD005_240416	0908_SD006_240424	0908_SD007_240424	0908_SD009_240422
			Sampling date / time	24-Apr-2024 11:40	16-Apr-2024 15:38	24-Apr-2024 12:15	24-Apr-2024 12:05	22-Apr-2024 13:00
Compound	CAS Number	LOR	Unit	ES2413562-001	ES2413562-002	ES2413562-003	ES2413562-004	ES2413562-005
				Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued								
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	**0.0006**	<0.0005	<0.0005	<0.0005	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums								
Sum of PFAS	----	0.0002	mg/kg	**0.215**	**0.0074**	**0.417**	**0.0107**	**0.0254**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	**0.200**	**0.0072**	**0.403**	**0.0107**	**0.0227**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg	**0.208**	**0.0074**	**0.411**	**0.0107**	**0.0231**
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.0002	%	**111**	**94.2**	**95.9**	**94.6**	**92.2**
13C8-PFOA	----	0.0002	%	**96.4**	**98.4**	**99.2**	**99.2**	**101**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD011_240423	0908_SD014_240416	0908_SD023_240416	0908_SD024_240416	0908_SD047_240418
			Sampling date / time	23-Apr-2024 14:00	16-Apr-2024 15:23	16-Apr-2024 16:35	16-Apr-2024 16:39	18-Apr-2024 09:40
Compound	CAS Number	LOR	Unit	ES2413562-006	ES2413562-007	ES2413562-008	ES2413562-009	ES2413562-010
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**22.4**	**79.6**	**72.7**	**71.2**	**23.1**
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	**0.0003**	<0.0002	<0.0002	<0.0002
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	**0.0008**	**0.0031**	**0.0021**	**0.0030**	**0.0028**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	**0.0003**	<0.0002	**0.0006**	**0.0003**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0082**	**0.0554**	**0.0269**	**0.0627**	**0.0497**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	**0.0035**	<0.0002	<0.0002	<0.0002
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0018**	<0.0002
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0040**	<0.0002
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	**0.0006**	<0.0002	**0.0016**	<0.0002
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0052**	<0.0002
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0006**	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	**0.0116**	<0.0002	**0.0003**	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	**0.0003**	<0.0002	<0.0002	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	**0.0039**	<0.0002	<0.0002	**0.0004**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD011_240423	0908_SD014_240416	0908_SD023_240416	0908_SD024_240416	0908_SD047_240418
				Sampling date / time	23-Apr-2024 14:00	16-Apr-2024 15:23	16-Apr-2024 16:35	16-Apr-2024 16:39	18-Apr-2024 09:40
Compound	CAS Number	LOR	Unit		ES2413562-006	ES2413562-007	ES2413562-008	ES2413562-009	ES2413562-010
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0090**	**0.0790**	**0.0290**	**0.0798**	**0.0532**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0090**	**0.0585**	**0.0290**	**0.0657**	**0.0525**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0090**	**0.0591**	**0.0290**	**0.0783**	**0.0525**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**95.0**	**116**	**97.0**	**98.9**	**93.7**
13C8-PFOA	----	0.0002	%		**103**	**94.8**	**104**	**101**	**99.8**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD048_240418	0908_SD055_240417	0908_SD059_240416	0908_SD060_240422	0908_SD062_240422
			Sampling date / time	18-Apr-2024 11:50	17-Apr-2024 15:20	16-Apr-2024 13:45	22-Apr-2024 12:30	22-Apr-2024 12:17
Compound	CAS Number	LOR	Unit	ES2413562-011	ES2413562-012	ES2413562-013	ES2413562-014	ES2413562-015
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**22.7**	**25.9**	**26.7**	**27.4**	**38.9**
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0017**	<0.0002
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0020**	<0.0002
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	**0.0010**	**0.0015**	**0.0026**	**0.0172**	**0.0003**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	**0.0002**	<0.0002	**0.0028**	<0.0002
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0056**	**0.0071**	**0.0130**	**0.0404**	**0.0096**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	**0.0003**	**0.0008**	<0.0002	<0.0002
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0004**	<0.0002
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0023**	<0.0002
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0004**	<0.0002
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0012**	<0.0002
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD048_240418	0908_SD055_240417	0908_SD059_240416	0908_SD060_240422	0908_SD062_240422
				Sampling date / time	18-Apr-2024 11:50	17-Apr-2024 15:20	16-Apr-2024 13:45	22-Apr-2024 12:30	22-Apr-2024 12:17
Compound	CAS Number	LOR	Unit		ES2413562-011	ES2413562-012	ES2413562-013	ES2413562-014	ES2413562-015
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0066**	**0.0091**	**0.0164**	**0.0684**	**0.0099**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0066**	**0.0086**	**0.0156**	**0.0576**	**0.0099**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0066**	**0.0086**	**0.0156**	**0.0636**	**0.0099**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**95.4**	**101**	**96.2**	**89.6**	**86.1**
13C8-PFOA	----	0.0002	%		**98.0**	**105**	**104**	**98.1**	**101**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD079_240416	0908_SD081_240423	0908_SD108_240418	0908_SD110_240418	0908_QC105_240416
			Sampling date / time	16-Apr-2024 09:48	23-Apr-2024 12:55	18-Apr-2024 11:30	18-Apr-2024 11:30	16-Apr-2024 15:47
Compound	CAS Number	LOR	Unit	ES2413562-016	ES2413562-017	ES2413562-018	ES2413562-019	ES2413562-041
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**36.0**	**32.0**	**65.1**	**31.3**	**44.6**
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	**0.0002**	<0.0002
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	**0.0002**	<0.0002	**0.0008**	**0.0003**	<0.0002
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	**0.0025**	<0.0002	**0.0188**	**0.0044**	**0.0004**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	**0.0002**	<0.0002	**0.0019**	**0.0002**	<0.0002
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0157**	**0.0021**	**0.271**	**0.0575**	**0.0081**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	**0.0067**	**0.0010**	<0.0002
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	**0.0013**	**0.0004**	<0.0002
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	**0.0010**	**0.0005**	<0.0002
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	**0.0004**	**0.0002**	<0.0002
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	**0.0012**	<0.0002	<0.0002
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	**0.0002**	<0.0002	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	**0.0008**	<0.0002	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	**0.0002**
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	**0.0011**	<0.0005	<0.0005
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	**0.0231**	**0.0326**	<0.0002

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD079_240416	0908_SD081_240423	0908_SD108_240418	0908_SD110_240418	0908_QC105_240416
				Sampling date / time	16-Apr-2024 09:48	23-Apr-2024 12:55	18-Apr-2024 11:30	18-Apr-2024 11:30	16-Apr-2024 15:47
Compound	CAS Number	LOR	Unit		ES2413562-016	ES2413562-017	ES2413562-018	ES2413562-019	ES2413562-041
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0186**	**0.0021**	**0.328**	**0.0973**	**0.0087**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0182**	**0.0021**	**0.290**	**0.0619**	**0.0085**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0182**	**0.0021**	**0.294**	**0.0632**	**0.0085**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**94.7**	**97.0**	**96.8**	**120**	**99.4**
13C8-PFOA	----	0.0002	%		**104**	**103**	**99.7**	**97.8**	**103**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_QC108_240416	----	----	----	----
				Sampling date / time	16-Apr-2024 16:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413562-042	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**71.2**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0017**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0002**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0249**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_QC108_240416	----	----	----	----
				Sampling date / time	16-Apr-2024 16:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2413562-042	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0268**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0266**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0266**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**94.6**	----	----	----	----
13C8-PFOA	----	0.0002	%		**98.8**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW001_240424	0908_SW005_240416	0908_SW006_240424	0908_SW007_240424	0908_SW009_240422
				Sampling date / time	24-Apr-2024 11:40	16-Apr-2024 15:50	24-Apr-2024 12:07	24-Apr-2024 12:05	22-Apr-2024 13:00
Compound	CAS Number	LOR	Unit		ES2413562-020	ES2413562-021	ES2413562-022	ES2413562-023	ES2413562-024
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.03**	<0.02	<0.02	**0.05**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.04**	<0.02	<0.02	**0.11**	**0.03**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.49**	**0.16**	**0.32**	**1.57**	**0.39**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.04**	<0.02	<0.02	**0.21**	**0.04**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**2.50**	**0.66**	**0.81**	**13.0**	**1.53**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.03**	<0.02	**0.08**	**0.16**	**0.02**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.13**	**0.04**	**0.05**	**0.58**	**0.08**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.02**	<0.02	<0.02	**0.11**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.04**	**0.01**	<0.01	**0.16**	**0.03**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW001_240424	0908_SW005_240416	0908_SW006_240424	0908_SW007_240424	0908_SW009_240422
				Sampling date / time	24-Apr-2024 11:40	16-Apr-2024 15:50	24-Apr-2024 12:07	24-Apr-2024 12:05	22-Apr-2024 13:00
Compound	CAS Number	LOR	Unit		ES2413562-020	ES2413562-021	ES2413562-022	ES2413562-023	ES2413562-024
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**3.32**	**0.87**	**1.26**	**16.0**	**2.12**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.99**	**0.82**	**1.13**	**14.6**	**1.92**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**3.24**	**0.87**	**1.26**	**15.6**	**2.05**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**91.6**	**91.3**	**96.2**	**92.5**	**90.1**
13C8-PFOA	----	0.02	%		**100**	**102**	**104**	**97.7**	**97.6**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW011_240423	0908_SW014_240416	0908_SW023_240416	0908_SW024_240416	0908_SW047_240418
				Sampling date / time	23-Apr-2024 14:00	16-Apr-2024 15:24	16-Apr-2024 16:35	16-Apr-2024 16:35	18-Apr-2024 09:40
Compound	CAS Number	LOR	Unit		ES2413562-025	ES2413562-026	ES2413562-027	ES2413562-028	ES2413562-029
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.02**	<0.02	<0.02	<0.02	**0.05**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.05**	**0.03**	<0.02	<0.02	**0.09**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.60**	**0.32**	**0.08**	**0.04**	**1.08**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	**0.03**	<0.02	<0.02	**0.07**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.80**	**1.23**	**0.05**	**0.05**	**4.54**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	**0.03**	<0.02	<0.02	**0.08**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.04**	**0.09**	<0.02	<0.02	**0.20**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.04**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.01**	**0.02**	<0.01	<0.01	**0.07**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW011_240423	0908_SW014_240416	0908_SW023_240416	0908_SW024_240416	0908_SW047_240418
				Sampling date / time	23-Apr-2024 14:00	16-Apr-2024 15:24	16-Apr-2024 16:35	16-Apr-2024 16:35	18-Apr-2024 09:40
Compound	CAS Number	LOR	Unit		ES2413562-025	ES2413562-026	ES2413562-027	ES2413562-028	ES2413562-029
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.52**	**1.75**	**0.13**	**0.09**	**6.22**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.40**	**1.55**	**0.13**	**0.09**	**5.62**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.47**	**1.69**	**0.13**	**0.09**	**6.06**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**86.0**	**85.0**	**89.6**	**92.1**	**86.4**
13C8-PFOA	----	0.02	%		**97.8**	**99.1**	**98.7**	**97.0**	**96.9**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW048_240418	0908_SW055_240417	0908_SW059_240416	0908_SW060_240422	0908_SW062_240422
				Sampling date / time	18-Apr-2024 11:45	17-Apr-2024 15:27	16-Apr-2024 13:45	22-Apr-2024 12:40	22-Apr-2024 12:10
Compound	CAS Number	LOR	Unit		ES2413562-030	ES2413562-031	ES2413562-032	ES2413562-033	ES2413562-034
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.03**	**0.04**	**0.18**	**1.19**	**0.07**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.05**	**0.07**	**0.28**	**1.85**	**0.10**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.57**	**0.65**	**1.59**	**10.4**	**0.72**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.05**	**0.04**	**0.09**	**0.62**	**0.04**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.56**	**0.56**	**0.91**	**9.73**	**0.82**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	**0.4**	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	**0.04**	**0.44**	**0.06**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.08**	**0.11**	**0.27**	**2.15**	**0.13**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.02**	**0.02**	**0.04**	**0.32**	**0.03**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.05**	**0.04**	**0.06**	**0.49**	**0.03**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW048_240418	0908_SW055_240417	0908_SW059_240416	0908_SW060_240422	0908_SW062_240422
				Sampling date / time	18-Apr-2024 11:45	17-Apr-2024 15:27	16-Apr-2024 13:45	22-Apr-2024 12:40	22-Apr-2024 12:10
Compound	CAS Number	LOR	Unit		ES2413562-030	ES2413562-031	ES2413562-032	ES2413562-033	ES2413562-034
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.41**	**1.53**	**3.52**	**28.0**	**2.02**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.13**	**1.21**	**2.50**	**20.1**	**1.54**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.31**	**1.42**	**3.09**	**25.1**	**1.86**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**89.0**	**90.0**	**88.5**	**89.7**	**88.1**
13C8-PFOA	----	0.02	%		**94.0**	**100**	**96.9**	**100**	**100**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW079_240416	0908_SW081_240423	0908_SW108_240418	0908_SW110_240418	0908_SW582_240424
				Sampling date / time	16-Apr-2024 09:52	23-Apr-2024 13:05	18-Apr-2024 11:15	18-Apr-2024 11:30	24-Apr-2024 12:45
Compound	CAS Number	LOR	Unit		ES2413562-035	ES2413562-036	ES2413562-037	ES2413562-038	ES2413562-039
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.05**	<0.02	**0.03**	**0.02**	**0.03**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.06**	<0.02	**0.05**	**0.04**	**0.05**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.51**	**0.11**	**0.67**	**0.59**	**0.64**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	**0.04**	**0.03**	**0.05**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.23**	**0.05**	**3.12**	**2.74**	**3.78**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	**0.06**	**0.06**	**0.03**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.10**	<0.02	**0.15**	**0.14**	**0.11**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	**0.03**	**0.02**	**0.02**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.01**	<0.01	**0.05**	**0.05**	**0.06**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW079_240416	0908_SW081_240423	0908_SW108_240418	0908_SW110_240418	0908_SW582_240424
				Sampling date / time	16-Apr-2024 09:52	23-Apr-2024 13:05	18-Apr-2024 11:15	18-Apr-2024 11:30	24-Apr-2024 12:45
Compound	CAS Number	LOR	Unit		ES2413562-035	ES2413562-036	ES2413562-037	ES2413562-038	ES2413562-039
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.96**	**0.16**	**4.20**	**3.69**	**4.80**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.74**	**0.16**	**3.79**	**3.33**	**4.42**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.90**	**0.16**	**4.11**	**3.62**	**4.67**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**88.2**	**85.2**	**86.3**	**89.2**	**82.2**
13C8-PFOA	----	0.02	%		**96.6**	**101**	**96.2**	**99.2**	**96.9**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_QC103_240416	0908_QC112_240422	----	----	----
				Sampling date / time	16-Apr-2024 15:45	22-Apr-2024 13:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2413562-040	ES2413562-043	--------	--------	--------
					Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	**0.03**	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.16**	**0.36**	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	**0.04**	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.80**	**1.42**	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.05**	**0.08**	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.01**	**0.03**	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_QC103_240416	0908_QC112_240422	----	----	----
				Sampling date / time	16-Apr-2024 15:45	22-Apr-2024 13:00	----	----	----
Compound	CAS Number	LOR	Unit		ES2413562-040	ES2413562-043	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.02**	**1.96**	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.96**	**1.78**	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.02**	**1.89**	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**85.2**	**86.5**	----	----	----
13C8-PFOA	----	0.02	%		**95.4**	**90.4**	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2413562**	Page	: 1 of 20
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 29-Apr-2024
C-O-C number	: 65891	Issue Date	: 12-Jul-2024
Sampler	: [redacted]		
Site	: SW/SD		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 45		
No. of samples analysed	: 43		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5757612)									
ES2413433-001	Anonymous	EA055: Moisture Content	----	0.1	%	51.2	53.2	3.8	0% - 20%
ES2413562-001	0908_SD001_240424	EA055: Moisture Content	----	0.1	%	74.3	73.8	0.7	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5757613)									
ES2413562-015	0908_SD062_240422	EA055: Moisture Content	----	0.1	%	38.9	37.2	4.7	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5760390)									
ES2413504-003	Anonymous	EA055: Moisture Content	----	0.1	%	15.0	14.3	4.8	0% - 20%
ES2413879-007	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	10.1	10.8	6.8	0% - 50%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 5760393)									
ES2413289-002	Anonymous	EA055: Moisture Content	----	0.1	%	5.1	5.7	12.1	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5757482)									
ES2413562-001	0908_SD001_240424	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0012	0.0020	49.8	0% - 50%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0020	0.0030	40.6	0% - 50%
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0239	0.0274	13.9	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0025	0.0029	12.3	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.176	0.176	0.1	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2413562-011	0908_SD048_240418	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0010	0.0016	49.7	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5757482) - continued									
ES2413562-011	0908_SD048_240418	EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0056	0.0068	19.1	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0053	0.0048	10.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0037	0.0034	10.6	0% - 50%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0174	0.0168	3.8	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5757482)									
ES2413562-001	0908_SD001_240424	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0016	0.0017	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0021	0.0033	45.4	0% - 50%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	0.0017	0.0019	11.9	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0006	0.0009	33.9	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	0.0009	0.0012	30.6	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2413562-011	0908_SD048_240418	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5757482) - continued									
ES2413562-011	0908_SD048_240418	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0006	0.0004	31.8	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0016	0.0013	18.9	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0005	0.0004	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5757482)									
ES2413562-001	0908_SD001_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	0.0015	0.0013	13.5	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5757482) - continued									
ES2413562-011	0908_SD048_240418	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5757482)									

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5757482) - continued									
ES2413562-001	0908_SD001_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	0.0006	0.0015	86.7	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413562-011	0908_SD048_240418	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5758176)									
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2413504-004	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5755626)									
ES2413562-023	0908_SW007_240424	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	1.57	1.63	3.3	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01 (0.05)*	µg/L	13.0	13.8	6.4	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.05	0.05	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.11	0.11	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5755626) - continued									
ES2413562-023	0908_SW007_240424	EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.21	0.22	0.0	0% - 50%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413562-038	0908_SW110_240418	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.59	0.62	6.1	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	2.74	3.02	9.5	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.03	0.04	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5755643)									
ES2413562-020	0908_SW001_240424	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.49	0.47	4.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	2.50	2.81	11.9	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.03	0.03	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2413562-022	0908_SW006_240424	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.32	0.32	0.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.81	0.69	16.5	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5755626)									
ES2413562-023	0908_SW007_240424	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.16	0.18	7.5	0% - 50%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.16	0.16	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.58	0.61	4.7	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.11	0.10	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413562-038	0908_SW110_240418	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.05	0.05	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.14	0.15	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5755626) - continued									
ES2413562-038	0908_SW110_240418	EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5755643)									
ES2413562-020	0908_SW001_240424	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.04	0.05	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.03	0.03	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.13	0.13	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2413562-022	0908_SW006_240424	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.08	0.07	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.05	0.06	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5755626)									
ES2413562-023	0908_SW007_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5755626) - continued									
ES2413562-023	0908_SW007_240424	EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413562-038	0908_SW110_240418	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5755643)									
ES2413562-020	0908_SW001_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413562-022	0908_SW006_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5755643) - continued									
ES2413562-022	0908_SW006_240424	EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5755626)									
ES2413562-023	0908_SW007_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413562-038	0908_SW110_240418	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5755643)									
ES2413562-020	0908_SW001_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2413562-022	0908_SW006_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5755626)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231P: PFAS Sums (QC Lot: 5755626) - continued									
ES2413562-023	0908_SW007_240424	EP231X: Sum of PFAS	----	0.01 (0.05)*	µg/L	16.0	17.0	5.6	0% - 20%
ES2413562-038	0908_SW110_240418	EP231X: Sum of PFAS	----	0.01	µg/L	3.69	4.02	8.6	0% - 20%
EP231P: PFAS Sums (QC Lot: 5755643)									
ES2413562-020	0908_SW001_240424	EP231X: Sum of PFAS	----	0.01	µg/L	3.32	3.60	8.1	0% - 20%
ES2413562-022	0908_SW006_240424	EP231X: Sum of PFAS	----	0.01	µg/L	1.26	1.15	9.1	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5757482)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	78.5	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.8	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	83.0	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	82.9	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	59.0	134
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	81.5	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.5	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	76.7	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	88.6	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.0	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5757482)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	90.8	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.6	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.4	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.6	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.1	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	92.3	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	88.6	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	92.3	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.8	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.4	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	107	69.0	133
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	87.1	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.7	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.1	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.9	71.0	131

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176) - continued								
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.2	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	89.0	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.7	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.0	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.2	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	95.4	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5757482)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.3	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	92.8	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	99.7	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	97.9	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.5	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.2	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.8	61.0	139
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	103	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.0	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	93.5	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.3	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.2	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5757482)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	93.8	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	89.0	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	80.9	69.2	143

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	82.4	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	90.5	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	81.6	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	86.7	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5755626)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	88.9	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	121	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	99.0	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	98.1	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	97.8	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	79.9	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5755643)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	79.0	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	107	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	86.9	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	88.3	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	89.1	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755626)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	99.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	99.7	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	98.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	89.7	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	92.9	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	95.1	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	99.4	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	106	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	114	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	106	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	107	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755643)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755643) - continued								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	87.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	94.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	95.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	92.2	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	96.9	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	96.5	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	96.7	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.6	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	102	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	108	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755626)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	100	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	106	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	94.4	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	87.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	90.9	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	103	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	95.1	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755643)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	106	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	86.0	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	92.8	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	94.3	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	113	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	100	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	91.2	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5755626)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5755626) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	78.1	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	106	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	104	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	93.9	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5755643)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	107	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	103	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	91.4	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5757482)							
ES2413562-001	0908_SD001_240424	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	88.4	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	83.7	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	# Not Determined	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	91.8	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	82.9	59.0	134
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	82.1	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	85.7	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.9	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	90.7	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	73.1	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	99.0	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5757482)							
ES2413562-001	0908_SD001_240424	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	90.6	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	89.4	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	79.5	70.0	132

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5757482) - continued							
ES2413562-001	0908_SD001_240424	EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	91.1	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	88.3	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	94.5	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	99.8	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	120	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	78.2	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	112	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	127	69.0	133
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	88.6	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	92.8	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	88.3	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	92.1	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	86.8	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	87.8	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	96.5	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	102	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	116	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	101	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	99.3	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5757482)							
ES2413562-001	0908_SD001_240424	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	118	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	82.9	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	110	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	80.5	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	84.7	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	70.2	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	84.1	61.0	139
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	96.4	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	97.0	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	101	69.8	131

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Matrix Spike (MS) Report: Acceptable Limits (%) Low	Matrix Spike (MS) Report: Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5758176) - continued							
ES2413431-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	99.3	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	90.8	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	112	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	88.5	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5757482)							
ES2413562-001	0908_SD001_240424	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	87.1	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	75.9	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	87.9	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	93.7	69.2	143
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5758176)							
ES2413431-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	82.8	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	97.7	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	90.3	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	79.1	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Matrix Spike (MS) Report: Acceptable Limits (%) Low	Matrix Spike (MS) Report: Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5755626)							
ES2413562-024	0908_SW009_240422	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	81.4	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	110	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	82.2	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	108	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	97.7	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5755643)							
ES2413562-021	0908_SW005_240416	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	76.0	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	95.4	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	90.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	101	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	95.1	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	76.5	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755626)							

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755626) - continued							
ES2413562-024	0908_SW009_240422	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	91.0	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	89.2	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	93.1	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	80.4	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	87.3	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	86.2	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	98.2	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	117	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	116	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	115	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	132	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5755643)							
ES2413562-021	0908_SW005_240416	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	87.8	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	91.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	94.5	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	93.8	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	94.5	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	101	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	91.8	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	89.1	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	95.9	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	115	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	99.7	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755626)							
ES2413562-024	0908_SW009_240422	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	86.4	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	92.8	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	87.6	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	95.3	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	96.6	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.2	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	90.7	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755643)							
ES2413562-021	0908_SW005_240416	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	106	67.0	137

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5755643) - continued							
ES2413562-021	0908_SW005_240416	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	84.4	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	76.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	91.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	96.8	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5755626)							
ES2413562-024	0908_SW009_240422	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	78.0	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	95.2	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	92.0	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	74.9	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5755643)							
ES2413562-021	0908_SW005_240416	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	98.5	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	105	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	125	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	96.0	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2413562**	Page	: 1 of 10
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 24-Apr-2024
Site	: SW/SD	Issue Date	: 12-Jul-2024
Sampler	: [redacted]	No. of samples received	: 45
Order number	: 60612562_8.1	No. of samples analysed	: 43

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **Analysis Holding Time Outliers exist - please see following pages for full details.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413562--001	0908_SD001_240424	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413562--001	0908_SD001_240424	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2413562--024	0908_SW009_240422	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Outliers : Analysis Holding Time Compliance

Matrix: **SOIL**

Method / Container / Client Sample ID(s)		Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Days overdue	Date analysed	Due for analysis	Days overdue
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar							
0908_SD005_240416,	0908_SD014_240416,	----	----	----	01-May-2024	30-Apr-2024	**1**
0908_SD023_240416,	0908_SD024_240416,						
0908_SD059_240416,	0908_SD079_240416,						
0908_QC105_240416,	0908_QC108_240416						

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240416, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416, 0908_QC108_240416	**16-Apr-2024**	**----**	----	----	**01-May-2024**	30-Apr-2024	×
HDPE Soil Jar (EA055) 0908_SD055_240417	**17-Apr-2024**	**----**	----	----	**30-Apr-2024**	01-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD047_240418, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**----**	----	----	**30-Apr-2024**	02-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**----**	----	----	**30-Apr-2024**	06-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**----**	----	----	**30-Apr-2024**	07-May-2024	✓
HDPE Soil Jar (EA055) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**----**	----	----	**30-Apr-2024**	08-May-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240416, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240418, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240416, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240418, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240416, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240418, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240416, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240418, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) 0908_SD005_240416, 0908_SD014_240416, 0908_SD023_240416, 0908_SD024_240416, 0908_SD059_240416, 0908_SD079_240416, 0908_QC105_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_QC108_240416	**16-Apr-2024**	**02-May-2024**	13-Oct-2024	✓	**03-May-2024**	11-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240418, 0908_SD048_240418, 0908_SD108_240418, 0908_SD110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240422, 0908_SD060_240422, 0908_SD062_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240423, 0908_SD081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240424, 0908_SD006_240424, 0908_SD007_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	10-Jun-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240424, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240424, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240424, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240424, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_SW014_240416, 0908_SW023_240416, 0908_SW024_240416, 0908_SW059_240416, 0908_SW079_240416, 0908_QC103_240416	**16-Apr-2024**	**01-May-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240416	**16-Apr-2024**	**30-Apr-2024**	13-Oct-2024	✓	**02-May-2024**	13-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW055_240417	**17-Apr-2024**	**01-May-2024**	14-Oct-2024	✓	**02-May-2024**	14-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240418, 0908_SW048_240418, 0908_SW108_240418, 0908_SW110_240418	**18-Apr-2024**	**01-May-2024**	15-Oct-2024	✓	**02-May-2024**	15-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240422, 0908_SW060_240422, 0908_SW062_240422, 0908_QC112_240422	**22-Apr-2024**	**01-May-2024**	19-Oct-2024	✓	**02-May-2024**	19-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240423, 0908_SW081_240423	**23-Apr-2024**	**01-May-2024**	20-Oct-2024	✓	**02-May-2024**	20-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW007_240424, 0908_SW582_240424	**24-Apr-2024**	**01-May-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240424, 0908_SW006_240424	**24-Apr-2024**	**30-Apr-2024**	21-Oct-2024	✓	**02-May-2024**	21-Oct-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	6	52	**11.54**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	4	38	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	38	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	38	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	38	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	4	33	**12.12**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	33	**6.06**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	33	**6.06**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	33	**6.06**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2413562**		
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 4
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 65891	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: SW/SD		
Sampler	: [redacted]		

Dates

Date Samples Received	: 24-Apr-2024 15:48	Issue Date	: 12-Jul-2024
Client Requested Due Date	: 02-May-2024	Scheduled Reporting Date	: **02-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.2 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 45 / 43

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **12/07/2024: This is an updated SRN reflecting a change in ID for for samples ES2413562-009, 010 and 020.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	(On Hold) SOIL No analysis requested	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2413562-001	24-Apr-2024 11:40	0908_SD001_240424		✓	✓
ES2413562-002	16-Apr-2024 15:38	0908_SD005_240416		✓	✓
ES2413562-003	24-Apr-2024 12:15	0908_SD006_240424		✓	✓
ES2413562-004	24-Apr-2024 12:05	0908_SD007_240424		✓	✓
ES2413562-005	22-Apr-2024 13:00	0908_SD009_240422		✓	✓
ES2413562-006	23-Apr-2024 14:00	0908_SD011_240423		✓	✓
ES2413562-007	16-Apr-2024 15:23	0908_SD014_240416		✓	✓
ES2413562-008	16-Apr-2024 16:35	0908_SD023_240416		✓	✓
ES2413562-009	16-Apr-2024 16:39	0908_SD024_240416		✓	✓
ES2413562-010	18-Apr-2024 09:40	0908_SD047_240418		✓	✓
ES2413562-011	18-Apr-2024 11:50	0908_SD048_240418		✓	✓
ES2413562-012	17-Apr-2024 15:20	0908_SD055_240417		✓	✓
ES2413562-013	16-Apr-2024 13:45	0908_SD059_240416		✓	✓
ES2413562-014	22-Apr-2024 12:30	0908_SD060_240422		✓	✓
ES2413562-015	22-Apr-2024 12:17	0908_SD062_240422		✓	✓
ES2413562-016	16-Apr-2024 09:48	0908_SD079_240416		✓	✓
ES2413562-017	23-Apr-2024 12:55	0908_SD081_240423		✓	✓
ES2413562-018	18-Apr-2024 11:30	0908_SD108_240418		✓	✓
ES2413562-019	18-Apr-2024 11:30	0908_SD110_240418		✓	✓
ES2413562-041	16-Apr-2024 15:47	0908_QC105_240416		✓	✓
ES2413562-042	16-Apr-2024 16:35	0908_QC108_240416		✓	✓
ES2413562-044	23-Apr-2024 14:00	0908_QC117_240423	✓		

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	(On Hold) WATER No analysis requested	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2413562-020	24-Apr-2024 11:40	0908_SW001_240424		✓
ES2413562-021	16-Apr-2024 15:50	0908_SW005_240416		✓
ES2413562-022	24-Apr-2024 12:07	0908_SW006_240424		✓
ES2413562-023	24-Apr-2024 12:05	0908_SW007_240424		✓
ES2413562-024	22-Apr-2024 13:00	0908_SW009_240422		✓
ES2413562-025	23-Apr-2024 14:00	0908_SW011_240423		✓
ES2413562-026	16-Apr-2024 15:24	0908_SW014_240416		✓
ES2413562-027	16-Apr-2024 16:35	0908_SW023_240416		✓
ES2413562-028	16-Apr-2024 16:35	0908_SW024_240416		✓
ES2413562-029	18-Apr-2024 09:40	0908_SW047_240418		✓
ES2413562-030	18-Apr-2024 11:45	0908_SW048_240418		✓
ES2413562-031	17-Apr-2024 15:27	0908_SW055_240417		✓
ES2413562-032	16-Apr-2024 13:45	0908_SW059_240416		✓
ES2413562-033	22-Apr-2024 12:40	0908_SW060_240422		✓
ES2413562-034	22-Apr-2024 12:10	0908_SW062_240422		✓
ES2413562-035	16-Apr-2024 09:52	0908_SW079_240416		✓
ES2413562-036	23-Apr-2024 13:05	0908_SW081_240423		✓
ES2413562-037	18-Apr-2024 11:15	0908_SW108_240418		✓
ES2413562-038	18-Apr-2024 11:30	0908_SW110_240418		✓
ES2413562-039	24-Apr-2024 12:45	0908_SW582_240424		✓
ES2413562-040	16-Apr-2024 15:45	0908_QC103_240416		✓
ES2413562-043	22-Apr-2024 13:00	0908_QC112_240422		✓
ES2413562-045	23-Apr-2024 14:00	0908_QC118_240423	✓	

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

CHAIN OF CUSTODY

COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SD001_240424		24/04/2024 11:40 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
002	0908_SD005_240416		16/04/2024 03:38 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
003	0908_SD006_240424		24/04/2024 12:15 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
004	0908_SD007_240424		24/04/2024 12:05 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
005	0908_SD009_240422		22/04/2024 01:00 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
006	0908_SD011_240423		23/04/2024 02:00 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
007	0908_SD014_240416		16/04/2024 03:23 PM	SOIL	ALS: 1 Non ALS: 0	No	X			

Environmental Division Sydney

Work Order Reference

ES2413562

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

ALS COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
008	0908_SD023_240416		16/04/2024 04:35 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
009	0908_SD024_240424		16/04/2024 04:39 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
010	0908_SD047_24018		18/04/2024 09:40 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
011	0908_SD048_240418		18/04/2024 11:50 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
012	0908_SD055_240417		17/04/2024 03:20 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
013	0908_SD059_240416		16/04/2024 01:45 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
014	0908_SD060_240422		22/04/2024 12:30 PM	SOIL	ALS: 1 Non ALS: 0	No	X			

CHAIN OF CUSTODY

COC#: **65891** *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
015	0908_SD062_240422		22/04/2024 12:17 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
016	0908_SD079_240416		16/04/2024 09:48 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
017	0908_SD081_240423		23/04/2024 12:55 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
018	0908_SD108_240418		18/04/2024 11:30 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
019	0908_SD110_240418		18/04/2024 11:30 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
020	0908_SW001_2404		24/04/2024 11:40 AM	WATER	ALS: 4 Non ALS: 0	No		X		
021	0908_SW005_240416		16/04/2024 03:50 PM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

COC#: 65891 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY: [redacted]
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8,1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
022	0908_SW006_240424		24/04/2024 12:07 PM	WATER	ALS: 4 Non ALS: 0	No		X		
023	0908_SW007_240424		24/04/2024 12:05 PM	WATER	ALS: 4 Non ALS: 0	No		X		
024	0908_SW009_240422		22/04/2024 01:00 PM	WATER	ALS: 4 Non ALS: 0	No		X		
025	0908_SW011_240423		23/04/2024 02:00 PM	WATER	ALS: 4 Non ALS: 0	No		X		
026	0908_SW014_240416		16/04/2024 03:24 PM	WATER	ALS: 4 Non ALS: 0	No		X		
027	0908_SW023_240416		16/04/2024 04:35 PM	WATER	ALS: 4 Non ALS: 0	No		X		
028	0908_SW024_240416		16/04/2024 04:35 PM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

ALS COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 24/4/24 1435

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
029	0908_SW047_240418		18/04/2024 09:40 AM	WATER	ALS: 4 Non ALS: 0	No		X		
030	0908_SW048_240418		18/04/2024 11:45 AM	WATER	ALS: 4 Non ALS: 0	No		X		
031	0908_SW055_240417		17/04/2024 03:27 PM	WATER	ALS: 4 Non ALS: 0	No		X		
032	0908_SW059_240416		16/04/2024 01:45 PM	WATER	ALS: 4 Non ALS: 0	No		X		
033	0908_SW060_240422		22/04/2024 12:40 PM	WATER	ALS: 4 Non ALS: 0	No		X		
034	0908_SW062_240422		22/04/2024 12:10 PM	WATER	ALS: 4 Non ALS: 0	No		X		
035	0908_SW079_240416		16/04/2024 09:52 AM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
036	0908_SW081_240423		23/04/2024 01:05 PM	WATER	ALS: 4 Non ALS: 0	No		X		
037	0908_SW108_240418		18/04/2024 11:15 AM	WATER	ALS: 4 Non ALS: 0	No		X		
038	0908_SW110_240418		18/04/2024 11:30 AM	WATER	ALS: 4 Non ALS: 0	No		X		
039	0908_SW582_240424		24/04/2024 12:45 PM	WATER	ALS: 4 Non ALS: 0	No		X		
040	0908_QC103_240416		16/04/2024 03:45 PM	WATER	ALS: 4 Non ALS: 0	No		X		
041	0908_QC105_240416		16/04/2024 03:47 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
042	0908_QC108_240416		16/04/2024 04:35 PM	SOIL	ALS: 1 Non ALS: 0	No	X			

CHAIN OF CUSTODY

ALS COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: AJ 24/4/24, 1430

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3-2 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
043	0908_QC112_240422		22/04/2024 01:00 PM	WATER	ALS: 4 Non ALS: 0	No		X		
044	0908_QC117_240423		23/04/2024 02:00 PM	SOIL	ALS: 1 Non ALS: 0	Yes	-			
045	0908_QC118_240423		23/04/2024 02:00 PM	WATER	ALS: 4 Non ALS: 0	Yes		-		

CHAIN OF CUSTODY

ALS COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: AM

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SD001_240424	HDPE Soil Jar	200 mL	00621222049363	Grey	No	
002	0908_SD005_240416	HDPE Soil Jar	200 mL	00621222049418	Grey	No	
003	0908_SD006_240424	HDPE Soil Jar	200 mL	00621222049441	Grey	No	
004	0908_SD007_240424	HDPE Soil Jar	200 mL	00621222049298	Grey	No	
005	0908_SD009_240422	HDPE Soil Jar	200 mL	00621222049323	Grey	No	
006	0908_SD011_240423	HDPE Soil Jar	200 mL	00621222049395	Grey	No	
007	0908_SD014_240416	HDPE Soil Jar	200 mL	00621222049429	Grey	No	
008	0908_SD023_240416	HDPE Soil Jar	200 mL	00621222049407	Grey	No	
009	0908_SD024_240424	HDPE Soil Jar	200 mL	00621222049372	Grey	No	
010	0908_SD047_24018	HDPE Soil Jar	200 mL	00621222049324	Grey	No	
011	0908_SD048_240418	HDPE Soil Jar	200 mL	00621222049425	Grey	No	
012	0908_SD055_240417	HDPE Soil Jar	200 mL	00621222049365	Grey	No	
013	0908_SD059_240416	HDPE Soil Jar	200 mL	00621223016485	Grey	No	
014	0908_SD060_240422	HDPE Soil Jar	200 mL	00621222049377	Grey	No	
015	0908_SD062_240422	HDPE Soil Jar	200 mL	00621222049337	Grey	No	
016	0908_SD079_240416	HDPE Soil Jar	200 mL	00621222049383	Grey	No	
017	0908_SD081_240423	HDPE Soil Jar	200 mL	00621222049416	Grey	No	
018	0908_SD108_240418	HDPE Soil Jar	200 mL	00621222049336	Grey	No	
019	0908_SD110_240418	HDPE Soil Jar	200 mL	00621222049311	Grey	No	
020	0908_SW001_2404	HDPE (no PTFE)	20 mL	00352312028551	Grey	No	
020	0908_SW001_2404	HDPE (no PTFE)	20 mL	00352312028240	Grey	No	
020	0908_SW001_2404	HDPE (no PTFE)	20 mL	00352312028517	Grey	No	
020	0908_SW001_2404	HDPE (no PTFE)	20 mL	00352312028466	Grey	No	
021	0908_SW005_240416	HDPE (no PTFE)	20 mL	00352312028094	Grey	No	
021	0908_SW005_240416	HDPE (no PTFE)	20 mL	00352312028213	Grey	No	
021	0908_SW005_240416	HDPE (no PTFE)	20 mL	00352312028397	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.7 °C

Other comments:

021	0908_SW005_240416	HDPE (no PTFE)	20 mL	00352312028367	Grey	No	
022	0908_SW006_240424	HDPE (no PTFE)	20 mL	00352312028530	Grey	No	
022	0908_SW006_240424	HDPE (no PTFE)	20 mL	00352312028209	Grey	No	
022	0908_SW006_240424	HDPE (no PTFE)	20 mL	00352312028176	Grey	No	
022	0908_SW006_240424	HDPE (no PTFE)	20 mL	00352312028265	Grey	No	
023	0908_SW007_240424	HDPE (no PTFE)	20 mL	00352312066123	Grey	No	
023	0908_SW007_240424	HDPE (no PTFE)	20 mL	00352312028416	Grey	No	
023	0908_SW007_240424	HDPE (no PTFE)	20 mL	00352312028523	Grey	No	
023	0908_SW007_240424	HDPE (no PTFE)	20 mL	00352312066282	Grey	No	
024	0908_SW009_240422	HDPE (no PTFE)	20 mL	00352312028340	Grey	No	
024	0908_SW009_240422	HDPE (no PTFE)	20 mL	00352312028154	Grey	No	
024	0908_SW009_240422	HDPE (no PTFE)	20 mL	00352312028126	Grey	No	
024	0908_SW009_240422	HDPE (no PTFE)	20 mL	00352312028448	Grey	No	
025	0908_SW011_240423	HDPE (no PTFE)	20 mL	00352312028563	Grey	No	
025	0908_SW011_240423	HDPE (no PTFE)	20 mL	00352312028528	Grey	No	
025	0908_SW011_240423	HDPE (no PTFE)	20 mL	00352312028549	Grey	No	
025	0908_SW011_240423	HDPE (no PTFE)	20 mL	00352312028355	Grey	No	
026	0908_SW014_240416	HDPE (no PTFE)	20 mL	00352312028533	Grey	No	
026	0908_SW014_240416	HDPE (no PTFE)	20 mL	00352312028492	Grey	No	
026	0908_SW014_240416	HDPE (no PTFE)	20 mL	00352312028136	Grey	No	
026	0908_SW014_240416	HDPE (no PTFE)	20 mL	00352312028092	Grey	No	
027	0908_SW023_240416	HDPE (no PTFE)	20 mL	00352312066051	Grey	No	
027	0908_SW023_240416	HDPE (no PTFE)	20 mL	00352312066067	Grey	No	
027	0908_SW023_240416	HDPE (no PTFE)	20 mL	00352312066235	Grey	No	
027	0908_SW023_240416	HDPE (no PTFE)	20 mL	00352312066016	Grey	No	
028	0908_SW024_240416	HDPE (no PTFE)	20 mL	00352312028312	Grey	No	
028	0908_SW024_240416	HDPE (no PTFE)	20 mL	00352312028374	Grey	No	

CHAIN OF CUSTODY

ALS COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 24/4/24 0935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

028	0908_SW024_240416	HDPE (no PTFE)	20 mL	00352312028273	Grey	No	
028	0908_SW024_240416	HDPE (no PTFE)	20 mL	00352312028331	Grey	No	
029	0908_SW047_240418	HDPE (no PTFE)	20 mL	00352312066028	Grey	No	
029	0908_SW047_240418	HDPE (no PTFE)	20 mL	00352312028268	Grey	No	
029	0908_SW047_240418	HDPE (no PTFE)	20 mL	00352312028063	Grey	No	
029	0908_SW047_240418	HDPE (no PTFE)	20 mL	00352312066199	Grey	No	
030	0908_SW048_240418	HDPE (no PTFE)	20 mL	00352312066006	Grey	No	
030	0908_SW048_240418	HDPE (no PTFE)	20 mL	00352312066131	Grey	No	
030	0908_SW048_240418	HDPE (no PTFE)	20 mL	00352312028415	Grey	No	
030	0908_SW048_240418	HDPE (no PTFE)	20 mL	00352312028481	Grey	No	
031	0908_SW055_240417	HDPE (no PTFE)	20 mL	00352312028171	Grey	No	
031	0908_SW055_240417	HDPE (no PTFE)	20 mL	00352312066054	Grey	No	
031	0908_SW055_240417	HDPE (no PTFE)	20 mL	00352312066213	Grey	No	
031	0908_SW055_240417	HDPE (no PTFE)	20 mL	00352312028350	Grey	No	
032	0908_SW059_240416	HDPE (no PTFE)	20 mL	00352312066008	Grey	No	
032	0908_SW059_240416	HDPE (no PTFE)	20 mL	00352312066258	Grey	No	
032	0908_SW059_240416	HDPE (no PTFE)	20 mL	00352312066174	Grey	No	
032	0908_SW059_240416	HDPE (no PTFE)	20 mL	00352312066183	Grey	No	
033	0908_SW060_240422	HDPE (no PTFE)	20 mL	00352312028421	Grey	No	
033	0908_SW060_240422	HDPE (no PTFE)	20 mL	00352312028193	Grey	No	
033	0908_SW060_240422	HDPE (no PTFE)	20 mL	00352312028282	Grey	No	
033	0908_SW060_240422	HDPE (no PTFE)	20 mL	00352312028186	Grey	No	
034	0908_SW062_240422	HDPE (no PTFE)	20 mL	00352312028316	Grey	No	
034	0908_SW062_240422	HDPE (no PTFE)	20 mL	00352312028293	Grey	No	
034	0908_SW062_240422	HDPE (no PTFE)	20 mL	00352312028297	Grey	No	
034	0908_SW062_240422	HDPE (no PTFE)	20 mL	00352312028510	Grey	No	
035	0908_SW079_240416	HDPE (no PTFE)	20 mL	00352312066075	Grey	No	

CHAIN OF CUSTODY

COC#: 65891 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 24/4/24 1937

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.2 °C

Other comments:

035	0908_SW079_240416	HDPE (no PTFE)	20 mL	00352312066198	Grey	No	
035	0908_SW079_240416	HDPE (no PTFE)	20 mL	00352312066156	Grey	No	
035	0908_SW079_240416	HDPE (no PTFE)	20 mL	00352312066276	Grey	No	
036	0908_SW081_240423	HDPE (no PTFE)	20 mL	00352312028477	Grey	No	
036	0908_SW081_240423	HDPE (no PTFE)	20 mL	00352312028509	Grey	No	
036	0908_SW081_240423	HDPE (no PTFE)	20 mL	00352312028190	Grey	No	
036	0908_SW081_240423	HDPE (no PTFE)	20 mL	00352312028216	Grey	No	
037	0908_SW108_240418	HDPE (no PTFE)	20 mL	00352312028560	Grey	No	
037	0908_SW108_240418	HDPE (no PTFE)	20 mL	00352312028287	Grey	No	
037	0908_SW108_240418	HDPE (no PTFE)	20 mL	00352312028453	Grey	No	
037	0908_SW108_240418	HDPE (no PTFE)	20 mL	00352312028203	Grey	No	
038	0908_SW110_240418	HDPE (no PTFE)	20 mL	00352312028012	Grey	No	
038	0908_SW110_240418	HDPE (no PTFE)	20 mL	00352312028155	Grey	No	
038	0908_SW110_240418	HDPE (no PTFE)	20 mL	00352312028391	Grey	No	
038	0908_SW110_240418	HDPE (no PTFE)	20 mL	00352312028387	Grey	No	
039	0908_SW582_240424	HDPE (no PTFE)	20 mL	00352312028491	Grey	No	
039	0908_SW582_240424	HDPE (no PTFE)	20 mL	00352312028174	Grey	No	
039	0908_SW582_240424	HDPE (no PTFE)	20 mL	00352312028516	Grey	No	
039	0908_SW582_240424	HDPE (no PTFE)	20 mL	00352312028259	Grey	No	
040	0908_QC103_240416	HDPE (no PTFE)	20 mL	00352312028148	Grey	No	
040	0908_QC103_240416	HDPE (no PTFE)	20 mL	00352312028454	Grey	No	
040	0908_QC103_240416	HDPE (no PTFE)	20 mL	00352312028132	Grey	No	
040	0908_QC103_240416	HDPE (no PTFE)	20 mL	00352312028065	Grey	No	
041	0908_QC105_240416	HDPE Soil Jar	200 mL	00621222049310	Grey	No	
042	0908_QC108_240416	HDPE Soil Jar	200 mL	00621222049357	Grey	No	
043	0908_QC112_240422	HDPE (no PTFE)	20 mL	00352312028505	Grey	No	
043	0908_QC112_240422	HDPE (no PTFE)	20 mL	00352312028121	Grey	No	

CHAIN OF CUSTODY

(ALS) COC#: 65891 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	[redacted] DATE TIME: 24/4/24 1935

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: SW/SD

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:			°C
Other comments:	3.2		

043	0908_QC112_240422	HDPE (no PTFE)	20 mL	00352312028356	Grey	No	
043	0908_QC112_240422	HDPE (no PTFE)	20 mL	00352312028573	Grey	No	
044	0908_QC117_240423	HDPE Soil Jar	200 mL	00621222049345	Grey	No	
045	0908_QC118_240423	HDPE (no PTFE)	20 mL	00352312028430	Grey	No	
045	0908_QC118_240423	HDPE (no PTFE)	20 mL	00352312028199	Grey	No	
045	0908_QC118_240423	HDPE (no PTFE)	20 mL	00352312028122	Grey	No	
045	0908_QC118_240423	HDPE (no PTFE)	20 mL	00352312028472	Grey	No	

Total Bottle Count: ALS: 114, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2415053**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 10-May-2024 08:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 13-May-2024
C-O-C number	: 66330	Issue Date	: 17-May-2024 16:07
Sampler	: [redacted]		
Site	: offsite		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_POT144_240509	----	----	----	----
				Sampling date / time	09-May-2024 16:07	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2415053-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_POT144_240509	----	----	----	----
				Sampling date / time	09-May-2024 16:07	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2415053-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**103**	----	----	----	----
13C8-PFOA	----	0.02	%		**106**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2415053**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 10-May-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 13-May-2024
C-O-C number	: 66330	Issue Date	: 17-May-2024
Sampler	: [redacted]		
Site	: offsite		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
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This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.87	6.26	6.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	21.2	21.4	0.7	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.96	0.92	4.7	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.92	1.05	14.0	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.58	0.59	2.1	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5793486) - continued									
ES2414755-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.47	0.47	0.0	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.34	0.33	0.0	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.90	1.93	1.3	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.30	0.28	3.7	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2415557-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	33.5	34.1	1.9	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5793486)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	98.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	108	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	99.1	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	104	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	100	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	89.8	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5793486)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	101	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	109	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	101	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	105	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	107	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	88.9	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	114	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5793486)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	105	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	104	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	102	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	112	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	104	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	104	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5793486)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5793486) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	108	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	95.4	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	114	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	120	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	96.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	112	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	97.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	97.2	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	99.5	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	95.1	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.4	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	105	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	103	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	103	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	106	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	98.8	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	104	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	108	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	109	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.6	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	119	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	99.8	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	107	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	94.9	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	102	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5793486) - continued							
ES2414755-001	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	101	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	121	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	94.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	92.3	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	97.8	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	98.8	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	83.3	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2415053**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 10-May-2024
Site	: offsite	Issue Date	: 17-May-2024
Sampler	: [redacted]	No. of samples received	: 1
Order number	: 60612562_8.1	No. of samples analysed	: 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_POT144_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_POT144_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_POT144_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_POT144_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_POT144_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2415053**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 66330	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: offsite		
Sampler	: [redacted]		

Dates

Date Samples Received	: 10-May-2024 08:00	Issue Date	: 10-May-2024
Client Requested Due Date	: 17-May-2024	Scheduled Reporting Date	: **17-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 0.9
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2415053-001	09-May-2024 16:07	0908_POT144_240509	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

ALSCompass SAMPLING Intelligence

ALS

E-MAILED LAB OF ORIGIN NEWCASTLE

Environmental Division Sydney
Work Order Reference
ES2415053

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60NSW_0908-PFASOMP-24 **Client:** AECOM **Project Manager:** [redacted]
Phone: [redacted]

ALS Compass COC Reference: 66330 **# Samples:** **Sampler:** [redacted]
Phone: [redacted]

Turnaround Requirements: Standard ALL Urgent –

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO N/A
	Free ice / frozen ice bricks upon receipt? YES NO N/A
	Random sample temperature on receipt? 0.9 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]	JN 10.5.24	JN 10.5.24 1700	[redacted]
Date / Time: 10-5-24 0805.	Date / Time: 0800	Date / Time:	Date / Time: 10/05/24 1925

CHAIN OF CUSTODY

COC#: 66330 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 10/5/24 19:30

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: offsite

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_POT144_240509		09/05/2024 04:07 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 66330 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: offsite

ORDER NO:

PROJECT MANAGER:
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_POT144_240509	HDPE (no PTFE)	20 mL	00352312066065	Grey	No	
001	0908_POT144_240509	HDPE (no PTFE)	20 mL	00352312066281	Grey	No	
001	0908_POT144_240509	HDPE (no PTFE)	20 mL	00352312066009	Grey	No	
001	0908_POT144_240509	HDPE (no PTFE)	20 mL	00352312066189	Grey	No	

Total Bottle Count: ALS: 4, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2415054**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 10-May-2024 08:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 14-May-2024
C-O-C number	: 67422	Issue Date	: 17-May-2024 16:08
Sampler	: [redacted]		
Site	: 0908		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW731D_240509	----	----	----	----
				Sampling date / time	09-May-2024 16:42	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2415054-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.73**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.69**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**6.36**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.68**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**14.5**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		**0.2**	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.24**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**1.27**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.21**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.58**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW731D_240509	----	----	----	----
				Sampling date / time	09-May-2024 16:42	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2415054-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**25.9**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**20.9**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**24.1**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**103**	----	----	----	----
13C8-PFOA	----	0.02	%		**111**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2415054**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 10-May-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 14-May-2024
C-O-C number	: 67422	Issue Date	: 17-May-2024
Sampler	: [redacted]		
Site	: 0908		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.87	6.26	6.4	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	21.2	21.4	0.7	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.96	0.92	4.7	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.92	1.05	14.0	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.58	0.59	2.1	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5793486) - continued									
ES2414755-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.47	0.47	0.0	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.34	0.33	0.0	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.90	1.93	1.3	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.30	0.28	3.7	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2415557-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5793486)									
ES2414755-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2415557-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	33.5	34.1	1.9	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5793486)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	98.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	108	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	99.1	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	104	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	100	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	89.8	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5793486)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	101	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	109	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	106	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	112	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	101	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	105	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	112	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	107	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	88.9	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	114	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5793486)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	105	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	104	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	102	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	112	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	107	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	104	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	104	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5793486)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5793486) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	108	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	95.4	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	114	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	120	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	96.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	112	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	97.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	97.2	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	99.5	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	95.1	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.4	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	105	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	103	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	103	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	106	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	98.8	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	104	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	108	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	109	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	93.6	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	119	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	99.8	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	107	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	94.9	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	102	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5793486) - continued							
ES2414755-001	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	101	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	121	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	94.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5793486)							
ES2414755-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	92.3	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	97.8	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	98.8	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	83.3	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2415054**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 10-May-2024
Site	: 0908	Issue Date	: 17-May-2024
Sampler	: [redacted]	No. of samples received	: 1
Order number	: 60612562_8.1	No. of samples analysed	: 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW731D_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW731D_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW731D_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW731D_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW731D_240509	**09-May-2024**	**16-May-2024**	05-Nov-2024	✓	**17-May-2024**	05-Nov-2024	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	11	**18.18**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	11	**9.09**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2415054**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 67422	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: 0908		
Sampler	: [redacted]		

Dates

Date Samples Received	: 10-May-2024 08:00	Issue Date	: 13-May-2024
Client Requested Due Date	: 17-May-2024	Scheduled Reporting Date	: **17-May-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 0.9
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (30 analytes)
ES2415054-001	09-May-2024 16:42	0908_MW731D_240509	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	AP_CustomerService.ANZ@aecom.com

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

ALSCompass SAMPLING *Intelligence*

Environmental Division
Sydney
Work Order Reference
ES2415054

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60- NSW_0908-PFASOMR24 **Client:** AECOM **Project Manager:** [redacted]

Phone: (

ALS Compass COC Reference: 67422 **# Samples:** **Sampler:** [redacted]

Phone: (

Turnaround Requirements: Standard ALL Urgent –

Special Instructions:	ALS Use Only			
	Custody seal intact?	YES	NO	(N/A)
	Free ice / frozen ice bricks upon receipt?	YES	(NO)	N/A
	Random sample temperature on receipt?	0.9 °C		

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]	[redacted] 10.5.24 0800	[redacted] 10.5.24 1700	[redacted]
Date / Time: 10-5-24 0805.	Date / Time:	Date / Time:	Date / Time: 10/05/24 19 25

CHAIN OF CUSTODY

ALS COC#: 67422 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME: [redacted] 10/5/2024 19:30

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: 0908

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW731D_240509		09/05/2024 04:42 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 67422 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: 0908

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8,1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028267	Grey	No	
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028471	Grey	No	
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028191	Grey	No	
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028164	Grey	No	

Total Bottle Count: ALS: 4, Non ALS: 0

CHAIN OF CUSTODY

ALS COC#: 67422 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: 0908

ORDER NO:

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW731D_240509		09/05/2024 04:42 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 67422 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: 0908

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028267	Grey	No	
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028471	Grey	No	
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028191	Grey	No	
001	0908_MW731D_240509	HDPE (no PTFE)	20 mL	00352312028164	Grey	No	

Total Bottle Count: ALS: 4, Non ALS: 0

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 349756

Client Details

Client	AECOM Australia Pty Ltd (Sydney)
Attention	[redacted]
Address	PO Box Q410, QVB Post Office, Sydney, NSW, 1230

Sample Details

Your Reference	**NSW_0908_PFASOMP_24**
Number of Samples	16 Water, 3 Soil
Date samples received	26/04/2024
Date completed instructions received	24/04/2024

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	03/05/2024
Date of Issue	11/07/2024
Reissue Details	This report replaces R00 created on 03/05/2024 due to: sample ID error

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By

[redacted]

Authorised By

[redacted]

PFAS in Waters Extended						
Our Reference		349756-1	349756-2	349756-3	349756-4	349756-5
Your Reference	UNITS	0908_QC200_240415	0908_QC201_240416	0908_QC202_240416	0908_QC203_240416	0908_QC204_240416
Date Sampled		15/04/2024	16/04/2024	16/04/2024	16/04/2024	16/04/2024
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	02/05/2024	02/05/2024	02/05/2024	02/05/2024	02/05/2024
Date analysed	-	02/05/2024	02/05/2024	02/05/2024	02/05/2024	02/05/2024
Perfluorobutanesulfonic acid	µg/L	<0.01	<0.01	<0.01	0.01	0.27
Perfluoropentanesulfonic acid	µg/L	<0.01	<0.01	<0.01	0.01	0.28
Perfluorohexanesulfonic acid - PFHxS	µg/L	<0.01	0.01	<0.01	0.21	3.4
Perfluoroheptanesulfonic acid	µg/L	<0.01	<0.01	<0.01	0.02	0.37
Perfluorooctanesulfonic acid PFOS	µg/L	<0.01	0.04	<0.01	0.86	2.8
Perfluorodecanesulfonic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorobutanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	0.07
Perfluoropentanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	0.1
Perfluorohexanoic acid	µg/L	<0.01	<0.01	<0.01	0.06	0.74
Perfluoroheptanoic acid	µg/L	<0.01	<0.01	<0.01	<0.01	0.09
Perfluorooctanoic acid PFOA	µg/L	<0.01	<0.01	<0.01	0.02	0.17
Perfluorononanoic acid	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Perfluorotridecanoic acid	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorotetradecanoic acid	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
4:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
6:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
8:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
10:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonamide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctanesulfon amide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Me perfluorooctanesulfonamid oethanol	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Et perfluorooctanesulfonamid oethanol	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Surrogate $^{13}C_8$ *PFOS*	%	102	101	101	104	105
Surrogate $^{13}C_2$ *PFOA*	%	96	94	97	93	94
Extracted ISTD $^{13}C_3$ *PFBS*	%	103	101	101	104	102
Extracted ISTD $^{18}O_2$ *PFHxS*	%	100	102	102	105	102
Extracted ISTD $^{13}C_4$ *PFOS*	%	101	99	97	92	96

PFAS in Waters Extended						
Our Reference		349756-1	349756-2	349756-3	349756-4	349756-5
Your Reference	UNITS	0908_QC200_240415	0908_QC201_240416	0908_QC202_240416	0908_QC203_240416	0908_QC204_240416
Date Sampled		15/04/2024	16/04/2024	16/04/2024	16/04/2024	16/04/2024
Type of sample		Water	Water	Water	Water	Water
Extracted ISTD $^{13}C_4$ *PFBA*	%	102	108	103	87	104
Extracted ISTD $^{13}C_3$ *PFPeA*	%	110	110	108	111	112
Extracted ISTD $^{13}C_2$ *PFHxA*	%	106	101	99	98	101
Extracted ISTD $^{13}C_4$ *PFHpA*	%	118	114	115	112	109
Extracted ISTD $^{13}C_4$ *PFOA*	%	124	122	116	120	121
Extracted ISTD $^{13}C_5$ *PFNA*	%	125	128	124	126	122
Extracted ISTD $^{13}C_2$ *PFDA*	%	135	137	131	132	128
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	157	160	153	145	151
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	161	159	148	147	151
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	122	114	111	106	120
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	129	120	106	118	107
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	155	144	142	146	146
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	192	#	168	189	176
Extracted ISTD $^{13}C_8$ *FOSA*	%	109	106	105	104	109
Extracted ISTD d_3 *N MeFOSA*	%	103	101	99	95	103
Extracted ISTD d_5 *N EtFOSA*	%	96	86	91	84	95
Extracted ISTD d_7 *N MeFOSE*	%	110	101	105	104	103
Extracted ISTD d_9 *N EtFOSE*	%	98	90	91	91	91
Extracted ISTD d_3 *N MeFOSAA*	%	137	147	124	144	132
Extracted ISTD d_5 *N EtFOSAA*	%	128	135	123	126	123
Total Positive PFHxS & PFOS	µg/L	<0.01	0.05	<0.01	1.1	6.2
Total Positive PFOA & PFOS	µg/L	<0.01	0.04	<0.01	0.88	3.0
Total Positive PFAS	µg/L	<0.01	0.05	<0.01	1.2	8.3

PFAS in Waters Extended						
Our Reference		349756-7	349756-8	349756-10	349756-11	349756-12
Your Reference	UNITS	0908_QC206_24 0416	0908_QC207_24 0418	0908_QC209_24 0418	0908_QC210_24 0422	0908_QC211_24 0424
Date Sampled		16/04/2024	18/04/2024	18/04/2024	22/04/2024	24/04/2024
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	02/05/2024	02/05/2024	02/05/2024	02/05/2024	02/05/2024
Date analysed	-	02/05/2024	02/05/2024	02/05/2024	02/05/2024	02/05/2024
Perfluorobutanesulfonic acid	µg/L	<0.01	0.02	0.03	<0.01	<0.01
Perfluoropentanesulfonic acid	µg/L	<0.01	0.02	0.04	<0.01	<0.01
Perfluorohexanesulfonic acid - PFHxS	µg/L	<0.01	0.18	0.85	0.02	0.09
Perfluoroheptanesulfonic acid	µg/L	<0.01	<0.01	<0.01	<0.01	0.02
Perfluorooctanesulfonic acid PFOS	µg/L	<0.01	0.14	0.01	0.03	0.55
Perfluorodecanesulfonic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorobutanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid	µg/L	<0.01	0.03	0.08	<0.01	<0.01
Perfluoroheptanoic acid	µg/L	<0.01	<0.01	0.01	<0.01	<0.01
Perfluorooctanoic acid PFOA	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Perfluorotridecanoic acid	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorotetradecanoic acid	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
4:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
6:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
8:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
10:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonamide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctanesulfon amide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Me perfluorooctanesulfonamid oethanol	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Et perfluorooctanesulfonamid oethanol	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Surrogate $^{13}C_8$ *PFOS*	%	104	103	97	102	100
Surrogate $^{13}C_2$ *PFOA*	%	97	100	97	95	95
Extracted ISTD $^{13}C_3$ *PFBS*	%	96	102	101	103	103
Extracted ISTD $^{18}O_2$ *PFHxS*	%	107	104	105	101	104
Extracted ISTD $^{13}C_4$ *PFOS*	%	97	97	99	97	98
Extracted ISTD $^{13}C_4$ *PFBA*	%	46	117	99	106	116

PFAS in Waters Extended						
Our Reference		349756-7	349756-8	349756-10	349756-11	349756-12
Your Reference	UNITS	0908_QC206_240416	0908_QC207_240418	0908_QC209_240418	0908_QC210_240422	0908_QC211_240424
Date Sampled		16/04/2024	18/04/2024	18/04/2024	22/04/2024	24/04/2024
Type of sample		Water	Water	Water	Water	Water
Extracted ISTD $^{13}C_3$ *PFPeA*	%	89	118	113	112	111
Extracted ISTD $^{13}C_2$ *PFHxA*	%	90	103	102	101	101
Extracted ISTD $^{13}C_4$ *PFHpA*	%	109	115	117	115	121
Extracted ISTD $^{13}C_4$ *PFOA*	%	122	117	121	119	123
Extracted ISTD $^{13}C_5$ *PFNA*	%	128	124	130	127	129
Extracted ISTD $^{13}C_2$ *PFDA*	%	130	136	139	135	139
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	158	160	159	158	154
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	148	159	152	162	151
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	118	129	114	114	130
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	86	118	112	111	133
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	143	143	145	150	163
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	181	#	#	#	#
Extracted ISTD $^{13}C_8$ *FOSA*	%	108	107	106	105	107
Extracted ISTD d_3 *N MeFOSA*	%	104	103	101	99	98
Extracted ISTD d_5 *N EtFOSA*	%	92	93	88	86	93
Extracted ISTD d_7 *N MeFOSE*	%	98	99	104	97	104
Extracted ISTD d_9 *N EtFOSE*	%	93	97	94	89	100
Extracted ISTD d_3 *N MeFOSAA*	%	135	138	145	134	141
Extracted ISTD d_5 *N EtFOSAA*	%	121	127	133	134	129
Total Positive PFHxS & PFOS	µg/L	<0.01	0.31	0.86	0.06	0.63
Total Positive PFOA & PFOS	µg/L	<0.01	0.14	0.01	0.03	0.55
Total Positive PFAS	µg/L	<0.01	0.39	1.0	0.06	0.65

PFAS in Waters Extended					
Our Reference		349756-13	349756-14	349756-15	349756-16
Your Reference	UNITS	0908_QC212_240422	0908_QC213_240424	0908_QC214_240424	0908_QC215_240424
Date Sampled		22/04/2024	24/04/2024	24/04/2024	24/04/2024
Type of sample		Water	Water	Water	Water
Date prepared	-	02/05/2024	02/05/2024	02/05/2024	02/05/2024
Date analysed	-	02/05/2024	02/05/2024	02/05/2024	02/05/2024
Perfluorobutanesulfonic acid	µg/L	0.02	0.02	<0.01	0.02
Perfluoropentanesulfonic acid	µg/L	0.03	<0.01	<0.01	0.03
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.44	0.03	<0.01	0.45
Perfluoroheptanesulfonic acid	µg/L	0.04	<0.01	<0.01	0.02
Perfluorooctanesulfonic acid PFOS	µg/L	1.5	0.20	<0.01	0.59
Perfluorodecanesulfonic acid	µg/L	<0.02	<0.02	<0.02	<0.02
Perfluorobutanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02
Perfluoropentanoic acid	µg/L	0.03	<0.02	<0.02	<0.02
Perfluorohexanoic acid	µg/L	0.10	0.02	<0.01	0.05
Perfluoroheptanoic acid	µg/L	0.02	<0.01	<0.01	<0.01
Perfluorooctanoic acid PFOA	µg/L	0.04	<0.01	<0.01	0.01
Perfluorononanoic acid	µg/L	<0.01	<0.01	<0.01	<0.01
Perfluorodecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid	µg/L	<0.05	<0.05	<0.05	<0.05
Perfluorotridecanoic acid	µg/L	<0.1	<0.1	<0.1	<0.1
Perfluorotetradecanoic acid	µg/L	<0.5	<0.5	<0.5	<0.5
4:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01
6:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01
8:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02
10:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonamide	µg/L	<0.1	<0.1	<0.1	<0.1
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctanesulfon amide	µg/L	<0.1	<0.1	<0.1	<0.1
N-Me perfluorooctanesulfonamid oethanol	µg/L	<0.05	<0.05	<0.05	<0.05
N-Et perfluorooctanesulfonamid oethanol	µg/L	<0.5	<0.5	<0.5	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02
Surrogate $^{13}C_8$ *PFOS*	%	96	104	106	101
Surrogate $^{13}C_2$ *PFOA*	%	100	98	96	97
Extracted ISTD $^{13}C_3$ *PFBS*	%	100	98	107	99
Extracted ISTD $^{18}O_2$ *PFHxS*	%	101	106	102	104
Extracted ISTD $^{13}C_4$ *PFOS*	%	100	96	97	96
Extracted ISTD $^{13}C_4$ *PFBA*	%	98	112	102	77

PFAS in Waters Extended					
Our Reference		349756-13	349756-14	349756-15	349756-16
Your Reference	UNITS	0908_QC212_240422	0908_QC213_240424	0908_QC214_240424	0908_QC215_240424
Date Sampled		22/04/2024	24/04/2024	24/04/2024	24/04/2024
Type of sample		Water	Water	Water	Water
Extracted ISTD $^{13}C_3$ *PFPeA*	%	108	111	113	108
Extracted ISTD $^{13}C_2$ *PFHxA*	%	99	104	101	100
Extracted ISTD $^{13}C_4$ *PFHpA*	%	111	123	117	112
Extracted ISTD $^{13}C_4$ *PFOA*	%	114	120	123	117
Extracted ISTD $^{13}C_5$ *PFNA*	%	117	128	128	127
Extracted ISTD $^{13}C_2$ *PFDA*	%	132	136	140	132
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	156	159	163	164
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	151	156	157	150
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	127	112	122	107
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	109	122	113	137
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	133	156	138	152
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	172	187	189	#
Extracted ISTD $^{13}C_8$ *FOSA*	%	111	105	109	106
Extracted ISTD d_3 *N MeFOSA*	%	103	100	105	96
Extracted ISTD d_5 *N EtFOSA*	%	94	87	94	82
Extracted ISTD d_7 *N MeFOSE*	%	98	103	108	99
Extracted ISTD d_9 *N EtFOSE*	%	96	91	100	90
Extracted ISTD d_3 *N MeFOSAA*	%	137	143	141	141
Extracted ISTD d_5 *N EtFOSAA*	%	127	133	123	126
Total Positive PFHxS & PFOS	µg/L	1.9	0.23	<0.01	1.0
Total Positive PFOA & PFOS	µg/L	1.5	0.20	<0.01	0.61
Total Positive PFAS	µg/L	2.2	0.27	<0.01	1.2

PFAS in Soils Extended			
Our Reference		349756-6	349756-9
Your Reference	UNITS	0908_QC205_240416	0908_QC208_240416
Date Sampled		16/04/2024	16/04/2024
Type of sample		Soil	Soil
Date prepared	-	29/04/2024	29/04/2024
Date analysed	-	29/04/2024	29/04/2024
Perfluorobutanesulfonic acid	µg/kg	<0.4	<0.4
Perfluoropentanesulfonic acid	µg/kg	<0.4	<0.4
Perfluorohexanesulfonic acid - PFHxS	µg/kg	0.6	1.4
Perfluoroheptanesulfonic acid	µg/kg	<0.4	<0.4
Perfluorooctanesulfonic acid PFOS	µg/kg	9.7	25
Perfluorodecanesulfonic acid	µg/kg	<0.8	<0.8
Perfluorobutanoic acid	µg/kg	<0.8	<0.8
Perfluoropentanoic acid	µg/kg	<0.8	<0.8
Perfluorohexanoic acid	µg/kg	<0.4	<0.4
Perfluoroheptanoic acid	µg/kg	<0.4	<0.4
Perfluorooctanoic acid PFOA	µg/kg	<0.4	<0.4
Perfluorononanoic acid	µg/kg	<0.4	<0.4
Perfluorodecanoic acid	µg/kg	<2	<2
Perfluoroundecanoic acid	µg/kg	<2	<2
Perfluorododecanoic acid	µg/kg	<2	<2
Perfluorotridecanoic acid	µg/kg	<2	<2
Perfluorotetradecanoic acid	µg/kg	<20	<20
4:2 FTS	µg/kg	<0.4	<0.4
6:2 FTS	µg/kg	<0.4	<0.4
8:2 FTS	µg/kg	<0.8	<0.8
10:2 FTS	µg/kg	<0.8	<0.8
Perfluorooctane sulfonamide	µg/kg	<4	<4
N-Methyl perfluorooctane sulfonamide	µg/kg	<4	<4
N-Ethyl perfluorooctanesulfon amide	µg/kg	<4	<4
N-Me perfluorooctanesulfonamid oethanol	µg/kg	<4	<4
N-Et perfluorooctanesulfonamid oethanol	µg/kg	<20	<20
MePerfluorooctanesulf- amid oacetic acid	µg/kg	<0.8	<0.8
EtPerfluorooctanesulf amid oacetic acid	µg/kg	<0.8	<0.8
Surrogate $^{13}C_8$ *PFOS*	%	97	97
Surrogate $^{13}C_2$ *PFOA*	%	94	95
Extracted ISTD $^{13}C_3$ *PFBS*	%	69	73
Extracted ISTD $^{18}O_2$ *PFHxS*	%	69	69
Extracted ISTD $^{13}C_4$ *PFOS*	%	65	69

PFAS in Soils Extended			
Our Reference		349756-6	349756-9
Your Reference	UNITS	0908_QC205_240416	0908_QC208_240416
Date Sampled		16/04/2024	16/04/2024
Type of sample		Soil	Soil
Extracted ISTD $^{13}C_4$ *PFBA*	%	65	69
Extracted ISTD $^{13}C_3$ *PFPeA*	%	68	72
Extracted ISTD $^{13}C_2$ *PFHxA*	%	69	72
Extracted ISTD $^{13}C_4$ *PFHpA*	%	73	78
Extracted ISTD $^{13}C_4$ *PFOA*	%	70	78
Extracted ISTD $^{13}C_5$ *PFNA*	%	65	74
Extracted ISTD $^{13}C_2$ *PFDA*	%	57	72
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	37	53
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	32	60
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	38	68
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	51	65
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	53	61
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	44	63
Extracted ISTD $^{13}C_8$ *FOSA*	%	44	58
Extracted ISTD d_3 *N MeFOSA*	%	39	58
Extracted ISTD d_5 *N EtFOSA*	%	52	64
Extracted ISTD d_7 *N MeFOSE*	%	42	54
Extracted ISTD d_9 *N EtFOSE*	%	46	54
Extracted ISTD d_3 *N MeFOSAA*	%	51	63
Extracted ISTD d_5 *N EtFOSAA*	%	50	66
Total Positive PFHxS & PFOS	µg/kg	10	27
Total Positive PFOS & PFOA	µg/kg	9.7	25
Total Positive PFAS	µg/kg	10	27

Moisture			
Our Reference		349756-6	349756-9
Your Reference	UNITS	0908_QC205_240416	0908_QC208_240416
Date Sampled		16/04/2024	16/04/2024
Type of sample		Soil	Soil
Date prepared	-	29/04/2024	29/04/2024
Date analysed	-	30/04/2024	30/04/2024
Moisture	%	70	72

Method ID	Methodology Summary
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Org-029	Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3. Analysis is undertaken with LC-MS/MS. PFAS results include the sum of branched and linear isomers where applicable. Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components. Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	349756-2
Date prepared	-			02/05/2024	1	02/05/2024	02/05/2024		02/05/2024	02/05/2024
Date analysed	-			02/05/2024	1	02/05/2024	02/05/2024		02/05/2024	02/05/2024
Perfluorobutanesulfonic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	105	107
Perfluoropentanesulfonic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	98	103
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	100	103
Perfluoroheptanesulfonic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	106	107
Perfluorooctanesulfonic acid PFOS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	114	109
Perfluorodecanesulfonic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	108	102
Perfluorobutanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	105	102
Perfluoropentanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	104	101
Perfluorohexanoic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	102	101
Perfluoroheptanoic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	100	102
Perfluorooctanoic acid PFOA	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	102	104
Perfluorononanoic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	99	104
Perfluorodecanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	109	104
Perfluoroundecanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	101	107
Perfluorododecanoic acid	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	105	103
Perfluorotridecanoic acid	µg/L	0.1	Org-029	<0.1	1	<0.1	<0.1	0	101	100
Perfluorotetradecanoic acid	µg/L	0.5	Org-029	<0.5	1	<0.5	<0.5	0	116	116
4:2 FTS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	106	96
6:2 FTS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	108	106
8:2 FTS	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	103	103
10:2 FTS	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	123	126
Perfluorooctane sulfonamide	µg/L	0.1	Org-029	<0.1	1	<0.1	<0.1	0	111	107
N-Methyl perfluorooctane sulfonamide	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	109	107
N-Ethyl perfluorooctanesulfon amide	µg/L	0.1	Org-029	<0.1	1	<0.1	<0.1	0	107	105
N-Me perfluorooctanesulfonamid oethanol	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	95	96
N-Et perfluorooctanesulfonamid oethanol	µg/L	0.5	Org-029	<0.5	1	<0.5	<0.5	0	101	106
MePerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	103	109
EtPerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	103	99
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	101	1	102	99	3	107	100
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	96	1	96	106	10	96	97

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	349756-2
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	104	1	103	103	0	102	102
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	104	1	100	103	3	107	101
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	100	1	101	100	1	97	99
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	112	1	102	100	2	108	105
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	110	1	110	109	1	109	109
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	108	1	106	100	6	101	99
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	117	1	118	113	4	116	110
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	126	1	124	115	8	121	112
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	131	1	125	123	2	130	117
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	140	1	135	132	2	131	127
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	157	1	157	149	5	164	145
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	157	1	161	146	10	151	147
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	114	1	122	110	10	113	122
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	109	1	129	117	10	113	118
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	158	1	155	157	1	149	132
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	#	1	192	189	2	#	176
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	105	1	109	105	4	104	103
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	101	1	103	100	3	101	100
Extracted ISTD d_5 *N EtFOSA*	%		Org-029	90	1	96	88	9	88	93
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	97	1	110	99	11	102	103

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W2	349756-2
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	89	1	98	92	6	93	92
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	151	1	137	131	4	135	115
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	142	1	128	129	1	138	129

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Date prepared	-			[NT]	14	02/05/2024	02/05/2024		[NT]	[NT]
Date analysed	-			[NT]	14	02/05/2024	02/05/2024		[NT]	[NT]
Perfluorobutanesulfonic acid	µg/L	0.01	Org-029	[NT]	14	0.02	0.02	0	[NT]	[NT]
Perfluoropentanesulfonic acid	µg/L	0.01	Org-029	[NT]	14	<0.01	<0.01	0	[NT]	[NT]
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.01	Org-029	[NT]	14	0.03	0.04	29	[NT]	[NT]
Perfluoroheptanesulfonic acid	µg/L	0.01	Org-029	[NT]	14	<0.01	<0.01	0	[NT]	[NT]
Perfluorooctanesulfonic acid PFOS	µg/L	0.01	Org-029	[NT]	14	0.20	0.20	0	[NT]	[NT]
Perfluorodecanesulfonic acid	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
Perfluorobutanoic acid	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
Perfluoropentanoic acid	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
Perfluorohexanoic acid	µg/L	0.01	Org-029	[NT]	14	0.02	0.01	67	[NT]	[NT]
Perfluoroheptanoic acid	µg/L	0.01	Org-029	[NT]	14	<0.01	<0.01	0	[NT]	[NT]
Perfluorooctanoic acid PFOA	µg/L	0.01	Org-029	[NT]	14	<0.01	<0.01	0	[NT]	[NT]
Perfluorononanoic acid	µg/L	0.01	Org-029	[NT]	14	<0.01	<0.01	0	[NT]	[NT]
Perfluorodecanoic acid	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
Perfluoroundecanoic acid	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
Perfluorododecanoic acid	µg/L	0.05	Org-029	[NT]	14	<0.05	<0.05	0	[NT]	[NT]
Perfluorotridecanoic acid	µg/L	0.1	Org-029	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
Perfluorotetradecanoic acid	µg/L	0.5	Org-029	[NT]	14	<0.5	<0.5	0	[NT]	[NT]
4:2 FTS	µg/L	0.01	Org-029	[NT]	14	<0.01	<0.01	0	[NT]	[NT]
6:2 FTS	µg/L	0.01	Org-029	[NT]	14	<0.01	<0.01	0	[NT]	[NT]
8:2 FTS	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
10:2 FTS	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
Perfluorooctane sulfonamide	µg/L	0.1	Org-029	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
N-Methyl perfluorooctane sulfonamide	µg/L	0.05	Org-029	[NT]	14	<0.05	<0.05	0	[NT]	[NT]
N-Ethyl perfluorooctanesulfon amide	µg/L	0.1	Org-029	[NT]	14	<0.1	<0.1	0	[NT]	[NT]
N-Me perfluorooctanesulfonamid oethanol	µg/L	0.05	Org-029	[NT]	14	<0.05	<0.05	0	[NT]	[NT]
N-Et perfluorooctanesulfonamid oethanol	µg/L	0.5	Org-029	[NT]	14	<0.5	<0.5	0	[NT]	[NT]
MePerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
EtPerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	[NT]	14	<0.02	<0.02	0	[NT]	[NT]
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	[NT]	14	104	102	2	[NT]	[NT]
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	[NT]	14	98	97	1	[NT]	[NT]

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	[NT]	14	98	103	5	[NT]	[NT]
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	[NT]	14	106	103	3	[NT]	[NT]
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	[NT]	14	96	93	3	[NT]	[NT]
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	[NT]	14	112	117	4	[NT]	[NT]
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	[NT]	14	111	113	2	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	[NT]	14	104	102	2	[NT]	[NT]
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	[NT]	14	123	114	8	[NT]	[NT]
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	[NT]	14	120	119	1	[NT]	[NT]
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	[NT]	14	128	133	4	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	[NT]	14	136	136	0	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	[NT]	14	159	165	4	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	[NT]	14	156	150	4	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	[NT]	14	112	124	10	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	[NT]	14	122	118	3	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	[NT]	14	156	143	9	[NT]	[NT]
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	[NT]	14	187	190	2	[NT]	[NT]
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	[NT]	14	105	108	3	[NT]	[NT]
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	[NT]	14	100	105	5	[NT]	[NT]
Extracted ISTD d_5 *N EtFOSA*	%		Org-029	[NT]	14	87	92	6	[NT]	[NT]
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	[NT]	14	103	103	0	[NT]	[NT]

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	[NT]	[NT]
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	[NT]	14	91	95	4	[NT]	[NT]
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	[NT]	14	143	137	4	[NT]	[NT]
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	[NT]	14	133	129	3	[NT]	[NT]

QUALITY CONTROL: PFAS in Soils Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	349756-9
Date prepared	-			29/04/2024	6	29/04/2024	29/04/2024		29/04/2024	29/04/2024
Date analysed	-			29/04/2024	6	29/04/2024	29/04/2024		29/04/2024	29/04/2024
Perfluorobutanesulfonic acid	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	97	98
Perfluoropentanesulfonic acid	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	97	98
Perfluorohexanesulfonic acid - PFHxS	µg/kg	0.1	Org-029	<0.1	6	0.6	0.4	40	95	101
Perfluoroheptanesulfonic acid	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	100	105
Perfluorooctanesulfonic acid PFOS	µg/kg	0.1	Org-029	<0.1	6	9.7	7.6	24	98	115
Perfluorodecanesulfonic acid	µg/kg	0.2	Org-029	<0.2	6	<0.8	<0.8	0	96	89
Perfluorobutanoic acid	µg/kg	0.2	Org-029	<0.2	6	<0.8	<0.8	0	100	100
Perfluoropentanoic acid	µg/kg	0.2	Org-029	<0.2	6	<0.8	<0.8	0	95	98
Perfluorohexanoic acid	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	94	95
Perfluoroheptanoic acid	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	96	99
Perfluorooctanoic acid PFOA	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	93	96
Perfluorononanoic acid	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	95	97
Perfluorodecanoic acid	µg/kg	0.5	Org-029	<0.5	6	<2	<2	0	95	91
Perfluoroundecanoic acid	µg/kg	0.5	Org-029	<0.5	6	<2	<2	0	91	97
Perfluorododecanoic acid	µg/kg	0.5	Org-029	<0.5	6	<2	<2	0	97	93
Perfluorotridecanoic acid	µg/kg	0.5	Org-029	<0.5	6	<2	<2	0	108	134
Perfluorotetradecanoic acid	µg/kg	5	Org-029	<5	6	<20	<20	0	100	102
4:2 FTS	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	109	119
6:2 FTS	µg/kg	0.1	Org-029	<0.1	6	<0.4	<0.4	0	103	110
8:2 FTS	µg/kg	0.2	Org-029	<0.2	6	<0.8	<0.8	0	113	114
10:2 FTS	µg/kg	0.2	Org-029	<0.2	6	<0.8	<0.8	0	118	121
Perfluorooctane sulfonamide	µg/kg	1	Org-029	<1	6	<4	<4	0	99	105
N-Methyl perfluorooctane sulfonamide	µg/kg	1	Org-029	<1	6	<4	<4	0	104	103
N-Ethyl perfluorooctanesulfon amide	µg/kg	1	Org-029	<1	6	<4	<4	0	103	103
N-Me perfluorooctanesulfonamid oethanol	µg/kg	1	Org-029	<1	6	<4	<4	0	105	113
N-Et perfluorooctanesulfonamid oethanol	µg/kg	5	Org-029	<5	6	<20	<20	0	110	112
MePerfluorooctanesulf- amid oacetic acid	µg/kg	0.2	Org-029	<0.2	6	<0.8	<0.8	0	99	98
EtPerfluorooctanesulf amid oacetic acid	µg/kg	0.2	Org-029	<0.2	6	<0.8	<0.8	0	94	96
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	92	6	97	98	1	90	98
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	96	6	94	94	0	95	92

QUALITY CONTROL: PFAS in Soils Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	349756-9
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	101	6	69	78	12	102	78
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	97	6	69	73	6	100	76
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	101	6	65	75	14	103	74
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	99	6	65	73	12	97	71
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	100	6	68	75	10	100	75
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	100	6	69	74	7	101	77
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	105	6	73	77	5	105	80
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	109	6	70	78	11	110	84
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	112	6	65	69	6	111	80
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	107	6	57	65	13	106	79
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	108	6	37	34	8	109	55
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	115	6	32	42	27	112	62
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	120	6	38	36	5	122	71
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	87	6	51	57	11	95	75
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	90	6	53	59	11	96	74
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	99	6	44	49	11	102	76
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	105	6	44	46	4	102	57
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	106	6	39	47	19	104	61
Extracted ISTD d_5 *N EtFOSA*	%		Org-029	109	6	52	50	4	106	65
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	98	6	42	47	11	99	54

QUALITY CONTROL: PFAS in Soils Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-1	349756-9
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	99	6	46	50	8	99	58
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	108	6	51	59	15	99	73
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	114	6	50	54	8	108	72

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).

PFAS_S_EXT1: The PQL has been raised due to the high moisture content in samples 349756-6,9, resulting in a high dilution factor.

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	AECOM Australia Pty Ltd (Sydney)
Attention	[redacted]

Sample Login Details

Your reference	NSW_0908_PFASOMP_24
Envirolab Reference	349756
Date Sample Received	26/04/2024
Date Instructions Received	24/04/2024
Date Results Expected to be Reported	03/05/2024

Sample Condition

Samples received in appropriate condition for analysis	No
No. of Samples Provided	16 Water, 3 Soil
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	2.0
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Please contact the laboratory within 24 hours if you wish to cancel the aforementioned testing. Otherwise testing will proceed as per the COC and hence invoiced accordingly.

Please direct any queries to:

[redacted]

Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**

[redacted]

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	AECOM checks	AECOM checks	AECOM checks	AECOM checks	PFAS in Waters Extended	PFAS in Soils Extended
0908_QC200_240415	✓	✓	✓	✓	✓	
0908_QC201_240416	✓	✓	✓	✓	✓	
0908_QC202_240416	✓	✓	✓	✓	✓	
0908_QC203_240416	✓	✓	✓	✓	✓	
0908_QC204_240416	✓	✓	✓	✓	✓	
0908_QC205_240416	✓	✓	✓	✓		✓
0908_QC206_240416	✓	✓	✓	✓	✓	
0908_QC207_240418	✓	✓	✓	✓	✓	
0908_QC208_240416	✓	✓	✓	✓		✓
0908_QC209_240418	✓	✓	✓	✓	✓	
0908_QC210_240422	✓	✓	✓	✓	✓	
0908_QC211_240424	✓	✓	✓	✓	✓	
0908_QC212_240422	✓	✓	✓	✓	✓	
0908_QC213_240424	✓	✓	✓	✓	✓	
0908_QC214_240424	✓	✓	✓	✓	✓	
0908_QC215_240424	✓	✓	✓	✓	✓	
0908_QC217_240423	✓	✓	✓	✓		
0908_QC218_240423	✓	✓	✓	✓		
0908_QC216_240424	✓	✓	✓	✓		

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

[Copyright and Confidential]

* 349756
2414
EW

Login: LIMS PROCEDURE "AECOM_LOGIN"	Incorporated into EnviroLIMS	YES/No/Not Applicable (N/A)	Signed/Date
* Temp (to 0.5 deg) of each esky recorded on COC (eg write esky 1 = 6.5 deg, esky 2 = 8.5 deg).	AECOM_L_1	YES	EW 24/4
* Temp - on the SRA note the average of all esky temperatures	AECOM_L_1	YES	EW 24/4
* Arrival time - for samples received after 4pm the TAT starts the next day	AECOM_L_2	YES	EW 24/4
* Sample integrity - call AECOM + list on SRA if samples: damaged, wrong preservation, headspace, less than half holding time left, insufficient sample for analysis any other integrity issue	AECOM_L_3	YES - noted on SIF	EW 24/4
* Cold storage <2hrs from receipt (ie: book them in quickly)	AECOM_L_4	YES	EW 24/4
* Check samples for headspace if for VOCs/SVOCs, let AECOM know if this is the case and record this	AECOM_L_5	N/A	EW 24/4
* Separate bags were not provided for Asbestos	AECOM_L_6	N/A	EW 24/4
* Samples of oil or fuel - must be stored in a separate fridge away from other samples	AECOM_L_7	N/A	EW 24/4
* If subcontracting – AECOM jobs must be on their own COC & include all the AECOM info (as we will attach the subcon report)	AECOM_L_8	N/A	EW 24/4
* If subcontracting – record temp on departure on the subcon COC & use a lot of ice bricks, temperature on arrival at the sub-con lab required	AECOM_L_9	N/A	EW 24/4
* If subcontracting volatiles – include a Trip Blank BTEX to the esky & add to the COC	AECOM_L_10	N/A	EW 24/4
* If metals bottles are not ticked as filtered - call the client and ask. Record this.	AECOM_L_11	N/A	EW 24/4
Customer Service: LIMS PROCEDURE "AECOM_CUST_SERV"	**Incorporated into EnviroLIMS**	YES/No/Not Applicable (N/A)	Signed/Date
* All correspondence in writing. cc AECOM Project Manager to everything. Save all emails in LIMS.	AECOM_CS_1		
* If we do a non routine test/matrix - inform AECOM of this + explain non NATA, non validated etc	AECOM_CS_2		
* Subcontracted – email to AECOM Project Manager informing them (pre-approved list)	DS to do this separately		
* Subcontracted – if you use a lab other than ALS/Eurofins/SGS/NMI - inform AECOM that normal QC procedures may not apply (needs to go on pre-approved list)	DS to do this separately		
* Complaints - respond in 24hrs and cc Project Manager and Yvonne	AECOM_CS_3		
* Complaints - CAR must be raised for wrong results, holding time breaches, non compliance with this agreement	AECOM_CS_4		
* SRA - Anything supposed to go here??	AECOM_CS_5		
* Holding time - if received after 12pm on last day of holding time or if day 1 tests are received too late - that's OK, just inform them	AECOM_CS_6		
* TAT- if received after 4pm TAT starts next day. TAT starts on receipt of correct COC	AECOM_CS_7		

CHAIN OF CUSTODY FORM

[Copyright and Confidential]

ENVIROLAB GROUP
National phone number 1300 424 344

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
02 9910 6200 | sydney@envirolab.com.au

Perth Lab - MPL Laboratories
16-18 Hayden Crt, Myaree, WA 6154
08 9317 2505 | lab@mpl.com.au

Melbourne Lab - Envirolab Services
25 Research Drive, Croydon South, VIC 3136
03 9763 2500 | melbourne@envirolab.com.au

Adelaide Office - Envirolab Services
7a The Parade, Norwood, SA 5067
08 7087 6800 | adelaide@envirolab.com.au

Brisbane Office - Envirolab Services
20a, 10-20 Depot St, Banyo, QLD 4014
07 3266 9532 | brisbane@envirolab.com.au

Darwin Office - Envirolab Services
Unit 20/119 Reichardt Road, Winnellie, NT 0820
08 8967 1201 | darwin@envirolab.com.au

Company:	AECOM	Client Project Name/Number/Site etc (ie report title):	NSW_0908_PFASOMP_24
Contact Person:	[redacted]	PO No. (if applicable):	60612562_2.1
Project Mgr:	[redacted]	Envirolab Quote No. :	
Sampler:	[redacted]	Date results required:	
Address:	Level 6, 420 George St, Sydney, NSW, 2000	Or choose:	✓ Standard / Same Day / 1 day / 2 day / 3 day
Phone:	Mob: 0402 163 223	Note: Inform lab in advance if urgent turnaround is required - surcharges apply	
Email Results to:	[redacted]	Additional report format:	✓Esdat / Equis
Email Invoice to:	[redacted]	Lab Comments:	

Sample Information					Tests Required																Comments
Envirolab Sample ID (Lab use only)	Client Sample ID or Information	Depth	Date Sampled	Type of Sample	PFAS Extended Suite - Routine Level																Provide as much information about the sample as you can
1	0908_QC200_2404 15	-	15 /04/2024	GW	X																
2	0908_QC201_2404 16	-	16 /04/2024	GW	X																
3	0908_QC202_2404 16	-	16 /04/2024	GW	X																
4	0908_QC203_2404 16	-	16 /04/2024	SW	X																
5	0908_QC204_2404 16	-	16 /04/2024	GW	X																
6	0908_QC205_2404 16	-	16 /04/2024	SD	X																
7	0908_QC206_2404 16	-	16 /04/2024	GW	X																
8	0908_QC207_2404 18	-	18 /04/2024	GW	X																
9	0908_QC208_2404 16	-	16 /04/2024	SD	X																
10	0908_QC209_2404 18	-	18 /04/2024	GW	X																
11	0908_QC210_2404 22	-	22 /04/2024	GW	X																
12	0908_QC211_2404 24	-	24 /04/2024	GW	X																
13	0908_QC212_2404 22	-	22 /04/2024	SW	X																
14	0908_QC213_2404 24	-	24 /04/2024	GW	X																
15	0908_QC214_2404 24	-	24 /04/2024	GW	X																
16	0908_QC215_2404 24	-	24 /04/2024	GW	X																
17	0908_QC217_2404 23	-	23 /04/2024	SD	X																HOLD
18	0908_QC218_2404 23	-	23 /04/2024	SW	X																HOLD
19	" QC216_2404 24		24	GW																	HOLD

☐ *Please tick the box if observed settled sediment present in water samples is to be included in the extraction and/or analysis*

Relinquished by (Company): AECOM		Received by (Company):	ES SYD
Print Name:	[redacted]	Print Name:	[redacted]
Date & Time:	24/4/24 4 pm	Date & Time:	24/9/24 1825
Signature:	[redacted]	Signature:	EW

Lab Use Only

Job number:	349756
Temperature:	1.7°C
Cooling:	(Ice) / Ice pack / None
Security seal:	(Intact) / Broken / None
TAT Req - SAME day / 1 / 2 / 3 / 4 / (STD)	

Please send ESdat files to DERP.labreports@esdat.com.au and ensure that the files use the PROJECT NAME

Esky 1 = 1.7°C

GW = Groundwater
SW = Surface water
SD = Sediment

CERTIFICATE OF ANALYSIS

Work Order	: **ES2424957**	Page	: 1 of 9
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 31-Jul-2024 13:58
Order number	: 60612562_8.1	Date Analysis Commenced	: 01-Aug-2024
C-O-C number	: 70697	Issue Date	: 05-Aug-2024 15:06
Sampler	: [redacted]		
Site	: WLM		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 9		
No. of samples analysed	: 9		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW155_240731	0908_MW159S_240731	0908_MW159D_240731	0908_MW241D_240731	0908_MW241S_240731
				Sampling date / time	31-Jul-2024 12:09	31-Jul-2024 10:33	31-Jul-2024 10:41	31-Jul-2024 09:36	31-Jul-2024 09:27
					ES2424957-001	ES2424957-002	ES2424957-003	ES2424957-004	ES2424957-005
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.21**	**0.02**	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.55**	<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.02**	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.02**	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.02**	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW155_240731	0908_MW159S_240731	0908_MW159D_240731	0908_MW241D_240731	0908_MW241S_240731
				Sampling date / time	31-Jul-2024 12:09	31-Jul-2024 10:33	31-Jul-2024 10:41	31-Jul-2024 09:36	31-Jul-2024 09:27
Compound	CAS Number	LOR	Unit		ES2424957-001	ES2424957-002	ES2424957-003	ES2424957-004	ES2424957-005
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.82**	**0.02**	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.76**	**0.02**	<0.01	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.82**	**0.02**	<0.01	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**101**	**105**	**98.4**	**93.7**	**100**
13C8-PFOA	----	0.02	%		**100**	**104**	**103**	**99.8**	**102**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW844_240731	0908_QC100_240731	0908_QC101_240731	----	----
				Sampling date / time	31-Jul-2024 11:38	31-Jul-2024 10:41	31-Jul-2024 12:10	----	----
Compound	CAS Number	LOR	Unit		ES2424957-006	ES2424957-007	ES2424957-008	--------	--------
					Result	Result	Result	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	**0.17**	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	**0.56**	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	**0.02**	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	**0.03**	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	**0.02**	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW844_240731	0908_QC100_240731	0908_QC101_240731	----	----
				Sampling date / time	31-Jul-2024 11:38	31-Jul-2024 10:41	31-Jul-2024 12:10	----	----
Compound	CAS Number	LOR	Unit		ES2424957-006	ES2424957-007	ES2424957-008	--------	--------
					Result	Result	Result	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	**0.80**	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	**0.73**	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	**0.80**	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**104**	**100**	**98.3**	----	----
13C8-PFOA	----	0.02	%		**103**	**102**	**101**	----	----

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC300_240731	----	----	----	----
				Sampling date / time	31-Jul-2024 12:41	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2424957-009	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC300_240731	----	----	----	----
				Sampling date / time	31-Jul-2024 12:41	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2424957-009	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**95.6**	----	----	----	----
13C8-PFOA	----	0.02	%		**101**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	**Low**	**High**
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **RINSATE**		Recovery Limits (%)	
Compound	*CAS Number*	**Low**	**High**
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2424957**	Page	: 1 of 6
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 31-Jul-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 01-Aug-2024
C-O-C number	: 70697	Issue Date	: 05-Aug-2024
Sampler	: [redacted]		
Site	: WLM		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 9		
No. of samples analysed	: 9		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5962779)									
ES2424957-002	0908_MW159S_240731	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.02	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5962779)									
ES2424957-002	0908_MW159S_240731	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5962779)									
ES2424957-002	0908_MW159S_240731	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5962779) - continued									
ES2424957-002	0908_MW159S_240731	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5962779)									
ES2424957-002	0908_MW159S_240731	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5962779)									
ES2424957-002	0908_MW159S_240731	EP231X: Sum of PFAS	----	0.01	µg/L	0.02	<0.01	66.7	No Limit

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5962779)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	82.8	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	104	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	84.8	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	99.7	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	91.1	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	83.6	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5962779)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	97.4	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	91.1	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	100	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	94.4	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	95.0	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.9	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	101	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.9	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	108	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	116	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	105	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5962779)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	93.2	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	88.8	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	99.6	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	110	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	97.5	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	114	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	85.6	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5962779)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5962779) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	80.4	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	85.9	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	88.4	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5962779)							
ES2424957-001	0908_MW155_240731	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	91.2	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	97.4	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	68.2	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	99.8	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	92.5	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	91.9	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5962779)							
ES2424957-001	0908_MW155_240731	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	102	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	95.8	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	106	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	99.6	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	101	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	103	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	101	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	106	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	114	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	118	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	124	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5962779)							
ES2424957-001	0908_MW155_240731	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	96.8	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	107	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	105	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	104	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5962779) - continued							
ES2424957-001	0908_MW155_240731	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	110	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	115	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	89.4	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5962779)							
ES2424957-001	0908_MW155_240731	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	99.5	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	92.9	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	106	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	88.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2424957**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 31-Jul-2024
Site	: WLM	Issue Date	: 05-Aug-2024
Sampler	: [redacted]	No. of samples received	: 9
Order number	: 60612562_8.1	No. of samples analysed	: 9

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW155_240731, 0908_MW159S_240731, 0908_MW159D_240731, 0908_MW241D_240731, 0908_MW241S_240731, 0908_MW844_240731, 0908_QC100_240731, 0908_QC101_240731, 0908_QC300_240731	**31-Jul-2024**	**02-Aug-2024**	27-Jan-2025	✓	**05-Aug-2024**	27-Jan-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW155_240731, 0908_MW159S_240731, 0908_MW159D_240731, 0908_MW241D_240731, 0908_MW241S_240731, 0908_MW844_240731, 0908_QC100_240731, 0908_QC101_240731, 0908_QC300_240731	**31-Jul-2024**	**02-Aug-2024**	27-Jan-2025	✓	**05-Aug-2024**	27-Jan-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW155_240731, 0908_MW159S_240731, 0908_MW159D_240731, 0908_MW241D_240731, 0908_MW241S_240731, 0908_MW844_240731, 0908_QC100_240731, 0908_QC101_240731, 0908_QC300_240731	**31-Jul-2024**	**02-Aug-2024**	27-Jan-2025	✓	**05-Aug-2024**	27-Jan-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW155_240731, 0908_MW159S_240731, 0908_MW159D_240731, 0908_MW241D_240731, 0908_MW241S_240731, 0908_MW844_240731, 0908_QC100_240731, 0908_QC101_240731, 0908_QC300_240731	**31-Jul-2024**	**02-Aug-2024**	27-Jan-2025	✓	**05-Aug-2024**	27-Jan-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW155_240731, 0908_MW159S_240731, 0908_MW159D_240731, 0908_MW241D_240731, 0908_MW241S_240731, 0908_MW844_240731, 0908_QC100_240731, 0908_QC101_240731, 0908_QC300_240731	**31-Jul-2024**	**02-Aug-2024**	27-Jan-2025	✓	**05-Aug-2024**	27-Jan-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2424957**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 70697	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: WLM		
Sampler	: [redacted]		

Dates

Date Samples Received	: 31-Jul-2024 13:58	Issue Date	: 01-Aug-2024
Client Requested Due Date	: 07-Aug-2024	Scheduled Reporting Date	: **06-Aug-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 1.9 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 9 / 9

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2424957-001	31-Jul-2024 12:09	0908_MW155_240731	✓
ES2424957-002	31-Jul-2024 10:33	0908_MW159S_240731	✓
ES2424957-003	31-Jul-2024 10:41	0908_MW159D_240731	✓
ES2424957-004	31-Jul-2024 09:36	0908_MW241D_240731	✓
ES2424957-005	31-Jul-2024 09:27	0908_MW241S_240731	✓
ES2424957-006	31-Jul-2024 11:38	0908_MW844_240731	✓
ES2424957-007	31-Jul-2024 10:41	0908_QC100_240731	✓
ES2424957-008	31-Jul-2024 12:10	0908_QC101_240731	✓
ES2424957-009	31-Jul-2024 12:41	0908_QC300_240731	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

ALS COC#: 70697 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: AS 31/7/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 1.9 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW155_240731		31/07/2024 12:09 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW159S_240731		31/07/2024 10:33 AM	WATER	ALS: 4 Non ALS: 0	No	X		
003	0908_MW159D_240731		31/07/2024 10:41 AM	WATER	ALS: 4 Non ALS: 0	No	X		
004	0908_MW241D_240731		31/07/2024 09:36 AM	WATER	ALS: 4 Non ALS: 0	No	X		
005	0908_MW241S_240731		31/07/2024 09:27 AM	WATER	ALS: 4 Non ALS: 0	No	X		
006	0908_MW844_240731		31/07/2024 11:38 AM	WATER	ALS: 4 Non ALS: 0	No	X		
007	0908_QC100_240731		31/07/2024 10:41 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division
Sydney
Work Order Reference
ES2424957

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 70697 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	[redacted] DATE TIME: 31/7/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 1.9 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
008	0908_QC101_240731		31/07/2024 12:10 PM	WATER	ALS: 4 Non ALS: 0	No	X		
009	0908_QC300_240731		31/07/2024 12:41 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

ALS COC#: 70697 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: [redacted] AEST 31/7/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 1-9 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW155_240731	HDPE (no PTFE)	20 mL	00350522049955	Grey	No	
001	0908_MW155_240731	HDPE (no PTFE)	20 mL	00350522049968	Grey	No	
001	0908_MW155_240731	HDPE (no PTFE)	20 mL	00350522049994	Grey	No	
001	0908_MW155_240731	HDPE (no PTFE)	20 mL	00350522049766	Grey	No	
002	0908_MW159S_240731	HDPE (no PTFE)	20 mL	00350522049820	Grey	No	
002	0908_MW159S_240731	HDPE (no PTFE)	20 mL	00350522049559	Grey	No	
002	0908_MW159S_240731	HDPE (no PTFE)	20 mL	00350522049740	Grey	No	
002	0908_MW159S_240731	HDPE (no PTFE)	20 mL	00350522049771	Grey	No	
003	0908_MW159D_240731	HDPE (no PTFE)	20 mL	00350522049960	Grey	No	
003	0908_MW159D_240731	HDPE (no PTFE)	20 mL	00350522049833	Grey	No	
003	0908_MW159D_240731	HDPE (no PTFE)	20 mL	00350522049676	Grey	No	
003	0908_MW159D_240731	HDPE (no PTFE)	20 mL	00350522049714	Grey	No	
004	0908_MW241D_240731	HDPE (no PTFE)	20 mL	00350522049566	Grey	No	
004	0908_MW241D_240731	HDPE (no PTFE)	20 mL	00350522049545	Grey	No	
004	0908_MW241D_240731	HDPE (no PTFE)	20 mL	00350522049972	Grey	No	
004	0908_MW241D_240731	HDPE (no PTFE)	20 mL	00350522049599	Grey	No	
005	0908_MW241S_240731	HDPE (no PTFE)	20 mL	00350522050001	Grey	No	
005	0908_MW241S_240731	HDPE (no PTFE)	20 mL	00350522049948	Grey	No	
005	0908_MW241S_240731	HDPE (no PTFE)	20 mL	00350522049728	Grey	No	
005	0908_MW241S_240731	HDPE (no PTFE)	20 mL	00350522049609	Grey	No	
006	0908_MW844_240731	HDPE (no PTFE)	20 mL	00350522049830	Grey	No	
006	0908_MW844_240731	HDPE (no PTFE)	20 mL	00350522049947	Grey	No	
006	0908_MW844_240731	HDPE (no PTFE)	20 mL	00350522049639	Grey	No	
006	0908_MW844_240731	HDPE (no PTFE)	20 mL	00350522049946	Grey	No	
007	0908_QC100_240731	HDPE (no PTFE)	20 mL	00350522049746	Grey	No	
007	0908_QC100_240731	HDPE (no PTFE)	20 mL	00350522049913	Grey	No	

CHAIN OF CUSTODY

COC#: 70697 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	[redacted] DATE TIME: 31/7/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 19 °C

Other comments:

007	0908_QC100_240731	HDPE (no PTFE)	20 mL	00350522049964	Grey	No	
007	0908_QC100_240731	HDPE (no PTFE)	20 mL	00350522049535	Grey	No	
008	0908_QC101_240731	HDPE (no PTFE)	20 mL	00350522049685	Grey	No	
008	0908_QC101_240731	HDPE (no PTFE)	20 mL	00350522049862	Grey	No	
008	0908_QC101_240731	HDPE (no PTFE)	20 mL	00350522049846	Grey	No	
008	0908_QC101_240731	HDPE (no PTFE)	20 mL	00350522049950	Grey	No	
009	0908_QC300_240731	HDPE (no PTFE)	20 mL	00350522049483	Grey	No	
009	0908_QC300_240731	HDPE (no PTFE)	20 mL	00350522049738	Grey	No	
009	0908_QC300_240731	HDPE (no PTFE)	20 mL	00350522049977	Grey	No	
009	0908_QC300_240731	HDPE (no PTFE)	20 mL	00350522049538	Grey	No	

Total Bottle Count: ALS: 36, Non ALS: 0

ALSCompass SAMPLING Intelligence

ALS

ALS Use Only

Custody Document for Submissions via ALS Compass App

Project: 60612562 **Client:** AECOM **Project Manager** [redacted]

Phone:

ALS Compass COC Reference: 70697 **# Samples:** 9 **Sampler:**

Phone:

Turnaround Requirements: (Standard) _____ Urgent _____

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO (N/A)
	(Free ice) / frozen ice bricks upon receipt? (YES) NO N/A
	Random sample temperature on receipt? 1.9 °C

Custody:

Relinquished by:	**Received by:**	**Relinquished by:**	**Received by:**
[redacted]	[redacted]	[redacted]	[redacted]
Date / Time: 31/7/24 1:58pm	**Date / Time:** 31.07.24 13:58	**Date / Time:** 31.07.24 17:00	**Date / Time:** 31-7-24 1930

LAB OF ORIGIN:
NEWCASTLE

E-MAILED

CERTIFICATE OF ANALYSIS

Work Order	: **ES2425225**	Page	: 1 of 5
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 02-Aug-2024 11:25
Order number	: 60612562_8.1	Date Analysis Commenced	: 05-Aug-2024
C-O-C number	: 70817	Issue Date	: 09-Sep-2024 09:43
Sampler	: [redacted]		
Site	: WLM		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Amendment (09/09/2024): This report has been amended as a result of a request to change sample identification number (ID) received from Jess on 05/09/2024 for sample 001, changing ID from 0908_MW731S_240731 to 0908_MW731S_240802. All analysis results are as per the previous report.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW731S_240802	----	----	----	----
				Sampling date / time	02-Aug-2024 09:34	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425225-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.49**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.58**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**5.37**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.58**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**19.6**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		**0.02**	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		**0.3**	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.36**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**1.36**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.28**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.59**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW731S_240802	----	----	----	----
				Sampling date / time	02-Aug-2024 09:34	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2425225-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		**0.02**	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		**0.19**	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**30.1**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**25.0**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**28.5**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**103**	----	----	----	----
13C8-PFOA	----	0.02	%		**103**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2425225**	Page	: 1 of 6
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 02-Aug-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 05-Aug-2024
C-O-C number	: 70817	Issue Date	: 09-Sep-2024
Sampler	: [redacted]		
Site	: WLM		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 5967668)									
ES2425225-001	0908_MW731S_240802	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.37	4.98	7.6	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	19.6	19.5	0.1	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.49	0.46	5.2	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.58	0.53	8.9	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.58	0.55	4.7	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 5967668)									
ES2425225-001	0908_MW731S_240802	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.59	0.57	2.7	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.36	0.34	5.5	0% - 50%
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.36	1.27	7.0	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.28	0.27	0.0	0% - 50%
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.3	0.3	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5967668)									
ES2425225-001	0908_MW731S_240802	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 5967668) - continued									
ES2425225-001	0908_MW731S_240802	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 5967668)									
ES2425225-001	0908_MW731S_240802	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	0.19	0.19	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 5967668)									
ES2425225-001	0908_MW731S_240802	EP231X: Sum of PFAS	----	0.01	µg/L	30.1	29.3	2.7	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5967668)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	87.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	95.5	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	82.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	109	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	98.7	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	98.9	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5967668)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	95.3	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	94.7	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	93.4	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	93.9	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	99.3	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	95.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	95.3	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	98.4	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	97.9	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	86.6	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5967668)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	98.9	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	129	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	109	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.5	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.8	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	103	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	92.5	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5967668)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5967668) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	90.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	113	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	102	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	85.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 5967668)							
ES2425353-004	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	86.9	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	97.5	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	83.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	108	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	95.0	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	91.0	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 5967668)							
ES2425353-004	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	98.7	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	92.6	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	93.8	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	91.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	97.5	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	97.7	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	93.4	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.6	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	97.1	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	82.5	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	113	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5967668)							
ES2425353-004	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.6	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	100	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	104	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	98.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 5967668) - continued							
ES2425353-004	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	98.3	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	91.6	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	89.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 5967668)							
ES2425353-004	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	83.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	111	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	107	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	96.5	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2425225**	Page	: 1 of 4
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 02-Aug-2024
Site	: WLM	Issue Date	: 09-Sep-2024
Sampler	: [redacted]	No. of samples received	: 1
Order number	: 60612562_8.1	No. of samples analysed	: 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW731S_240802	**02-Aug-2024**	**05-Aug-2024**	29-Jan-2025	✓	**06-Aug-2024**	29-Jan-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW731S_240802	**02-Aug-2024**	**05-Aug-2024**	29-Jan-2025	✓	**06-Aug-2024**	29-Jan-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW731S_240802	**02-Aug-2024**	**05-Aug-2024**	29-Jan-2025	✓	**06-Aug-2024**	29-Jan-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW731S_240802	**02-Aug-2024**	**05-Aug-2024**	29-Jan-2025	✓	**06-Aug-2024**	29-Jan-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW731S_240802	**02-Aug-2024**	**05-Aug-2024**	29-Jan-2025	✓	**06-Aug-2024**	29-Jan-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	10	**10.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2425225**		
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 70817	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: WLM		
Sampler	: [redacted]		

Dates

Date Samples Received	: 02-Aug-2024 11:25	Issue Date	: 09-Sep-2024
Client Requested Due Date	: 09-Aug-2024	Scheduled Reporting Date	: **09-Aug-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 1'C - Ice present
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2425225-001	02-Aug-2024 09:34	0908_MW731S_240802	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 70817 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RELINQUISHED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 02/8/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM

ORDER NO:

PROJECT MANAGER [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 1.0 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW731S_240731		02/08/2024 09:34 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney
Work Order Reference
ES2425225

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 70817 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM

ORDER NO:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW731S_240731	HDPE (no PTFE)	20 mL	00352312028324	Grey	No	
001	0908_MW731S_240731	HDPE (no PTFE)	20 mL	00352312028244	Grey	No	
001	0908_MW731S_240731	HDPE (no PTFE)	20 mL	00350522049678	Grey	No	
001	0908_MW731S_240731	HDPE (no PTFE)	20 mL	00350522049989	Grey	No	

Total Bottle Count: ALS: 4, Non ALS: 0

ALSCompass SAMPLING *Intelligence*

ALS

Environmental Division
Sydney
Work Order Reference
ES2425225

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60612562 **Client:** AECOM **Project Manager:** [redacted]

Phone: [redacted])

ALS Compass COC Reference: 70817 **# Samples:** 1 **Sampler:** [redacted]

Phone: [redacted])

Turnaround Requirements: ~~Standard~~ _____ Urgent _____

Special Instructions:	ALS Use Only			
	Custody seal intact?	YES	NO	(N/A)
	Free ice / frozen ice bricks upon receipt?	(YES)	NO	N/A
	Random sample temperature on receipt?	10	°C	

Custody:

Relinquished by:	**Received by:**	**Relinquished by:**	**Received by:**
[redacted]	[redacted]	[redacted]	[redacted]
Date / Time: 2/8/24 11:25am	**Date / Time:** 2/8 11:25	**Date / Time:** 2/8/24 1700	**Date / Time:** 2/8/24 1930

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 358167

Client Details

Client	AECOM Australia Pty Ltd (Sydney)
Attention	[redacted]
Address	PO Box Q410, QVB Post Office, Sydney, NSW, 1230

Sample Details

Your Reference	**NSW_0908_PFASOMP_24**
Number of Samples	2 Water
Date samples received	02/08/2024
Date completed instructions received	02/08/2024

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Report Details

Date results requested by	09/08/2024
Date of Issue	09/08/2024

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
[redacted] Customer Service Supervisor
[redacted] Senior R&D Chemist
[redacted] Asbestos Approved Identifier/Report coordinator

Authorised By
[redacted] Laboratory Manager

PFAS in Waters Extended			
Our Reference		358167-1	358167-2
Your Reference	UNITS	0908_QC200_240731	0908_QC201_240731
Date Sampled		31/07/2024	31/07/2024
Type of sample		Water	Water
Date prepared	-	07/08/2024	07/08/2024
Date analysed	-	07/08/2024	07/08/2024
Perfluorobutanesulfonic acid	µg/L	<0.01	<0.01
Perfluoropentanesulfonic acid	µg/L	<0.01	0.01
Perfluorohexanesulfonic acid - PFHxS	µg/L	<0.01	0.19
Perfluoroheptanesulfonic acid	µg/L	<0.01	0.01
Perfluorooctanesulfonic acid PFOS	µg/L	<0.01	0.45
Perfluorodecanesulfonic acid	µg/L	<0.02	<0.02
Perfluorobutanoic acid	µg/L	<0.02	0.02
Perfluoropentanoic acid	µg/L	<0.02	0.03
Perfluorohexanoic acid	µg/L	<0.01	0.02
Perfluoroheptanoic acid	µg/L	<0.01	0.02
Perfluorooctanoic acid PFOA	µg/L	<0.01	0.02
Perfluorononanoic acid	µg/L	<0.01	<0.01
Perfluorodecanoic acid	µg/L	<0.02	<0.02
Perfluoroundecanoic acid	µg/L	<0.02	<0.02
Perfluorododecanoic acid	µg/L	<0.05	<0.05
Perfluorotridecanoic acid	µg/L	<0.1	<0.1
Perfluorotetradecanoic acid	µg/L	<0.5	<0.5
4:2 FTS	µg/L	<0.01	<0.01
6:2 FTS	µg/L	<0.01	<0.01
8:2 FTS	µg/L	<0.02	<0.02
10:2 FTS	µg/L	<0.02	<0.02
Perfluorooctane sulfonamide	µg/L	<0.1	<0.1
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05	<0.05
N-Ethyl perfluorooctanesulfon amide	µg/L	<0.1	<0.1
N-Me perfluorooctanesulfonamid oethanol	µg/L	<0.05	<0.05
N-Et perfluorooctanesulfonamid oethanol	µg/L	<0.5	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02
Surrogate $^{13}C_8$ *PFOS*	%	101	102
Surrogate $^{13}C_2$ *PFOA*	%	94	100
Extracted ISTD $^{13}C_3$ *PFBS*	%	107	101
Extracted ISTD $^{18}O_2$ *PFHxS*	%	97	97
Extracted ISTD $^{13}C_4$ *PFOS*	%	109	104

PFAS in Waters Extended			
Our Reference		358167-1	358167-2
Your Reference	UNITS	0908_QC200_240731	0908_QC201_240731
Date Sampled		31/07/2024	31/07/2024
Type of sample		Water	Water
Extracted ISTD $^{13}C_4$ *PFBA*	%	99	98
Extracted ISTD $^{13}C_3$ *PFPeA*	%	104	105
Extracted ISTD $^{13}C_2$ *PFHxA*	%	101	101
Extracted ISTD $^{13}C_4$ *PFHpA*	%	109	108
Extracted ISTD $^{13}C_4$ *PFOA*	%	111	111
Extracted ISTD $^{13}C_5$ *PFNA*	%	111	107
Extracted ISTD $^{13}C_2$ *PFDA*	%	118	114
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	116	114
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	119	116
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	89	81
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	84	80
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	93	93
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	111	113
Extracted ISTD $^{13}C_8$ *FOSA*	%	111	108
Extracted ISTD d_3 *N MeFOSA*	%	101	97
Extracted ISTD d_5 *N EtFOSA*	%	100	98
Extracted ISTD d_7 *N MeFOSE*	%	98	98
Extracted ISTD d_9 *N EtFOSE*	%	98	96
Extracted ISTD d_3 *N MeFOSAA*	%	114	119
Extracted ISTD d_5 *N EtFOSAA*	%	126	131
Total Positive PFHxS & PFOS	µg/L	<0.01	0.65
Total Positive PFOA & PFOS	µg/L	<0.01	0.47
Total Positive PFAS	µg/L	<0.01	0.78

Method ID	Methodology Summary
Org-029	Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3. Analysis is undertaken with LC-MS/MS. PFAS results include the sum of branched and linear isomers where applicable. Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components. Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	358167-2
Date prepared	-			07/08/2024	1	07/08/2024	07/08/2024		07/08/2024	07/08/2024
Date analysed	-			07/08/2024	1	07/08/2024	07/08/2024		07/08/2024	07/08/2024
Perfluorobutanesulfonic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	100	93
Perfluoropentanesulfonic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	102	98
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	102	98
Perfluoroheptanesulfonic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	108	104
Perfluorooctanesulfonic acid PFOS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	95	101
Perfluorodecanesulfonic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	95	104
Perfluorobutanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	97	98
Perfluoropentanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	99	96
Perfluorohexanoic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	104	104
Perfluoroheptanoic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	99	100
Perfluorooctanoic acid PFOA	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	97	95
Perfluorononanoic acid	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	97	99
Perfluorodecanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	95	97
Perfluoroundecanoic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	97	99
Perfluorododecanoic acid	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	98	95
Perfluorotridecanoic acid	µg/L	0.1	Org-029	<0.1	1	<0.1	<0.1	0	98	99
Perfluorotetradecanoic acid	µg/L	0.5	Org-029	<0.5	1	<0.5	<0.5	0	101	102
4:2 FTS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	97	107
6:2 FTS	µg/L	0.01	Org-029	<0.01	1	<0.01	<0.01	0	106	99
8:2 FTS	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	102	99
10:2 FTS	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	103	96
Perfluorooctane sulfonamide	µg/L	0.1	Org-029	<0.1	1	<0.1	<0.1	0	106	112
N-Methyl perfluorooctane sulfonamide	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	94	99
N-Ethyl perfluorooctanesulfon amide	µg/L	0.1	Org-029	<0.1	1	<0.1	<0.1	0	91	99
N-Me perfluorooctanesulfonamid oethanol	µg/L	0.05	Org-029	<0.05	1	<0.05	<0.05	0	104	112
N-Et perfluorooctanesulfonamid oethanol	µg/L	0.5	Org-029	<0.5	1	<0.5	<0.5	0	103	103
MePerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	101	102
EtPerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	1	<0.02	<0.02	0	97	101
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	90	1	101	102	1	97	101
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	99	1	94	100	6	99	100

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	358167-2
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	102	1	107	99	8	100	105
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	100	1	97	103	6	94	97
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	108	1	109	100	9	104	101
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	103	1	99	98	1	100	97
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	105	1	104	104	0	100	103
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	101	1	101	100	1	99	99
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	103	1	109	108	1	100	101
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	112	1	111	108	3	106	107
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	109	1	111	110	1	105	107
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	110	1	118	116	2	109	115
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	117	1	116	115	1	113	114
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	113	1	119	118	1	108	113
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	83	1	89	89	0	81	83
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	79	1	84	79	6	91	88
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	98	1	93	99	6	102	110
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	109	1	111	110	1	112	127
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	109	1	111	109	2	100	101
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	94	1	101	96	5	95	96
Extracted ISTD d_5 *N EtFOSA*	%		Org-029	97	1	100	102	2	98	95
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	101	1	98	99	1	96	96

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	358167-2
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	94	1	98	100	2	95	97
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	117	1	114	118	3	110	115
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	119	1	126	131	4	119	125

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

CHAIN OF CUSTODY FORM

[Copyright and Confidential]

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Company:	AECOM	Client Project Name/Number/Site etc (ie report title):	NSW 0908 PFASOMP 24
Contact Person:	[redacted]	PO No. (if applicable):	60612562 2.1
Project Mgr:	[redacted]	Envirolab Quote No.:	
Sampler:	[redacted]	Date results required:	
Address:	Level 6, 420 George St, Sydney, NSW, 2000	Or choose:	✓ Standard / Same Day / 1 day / 2 day / 3 day
Phone:	Mob:	Note: Inform lab in advance if urgent turnaround is required - surcharges apply	
Email Results to:	[redacted]	Additional report format:	✓Esdat / Equis
Email Invoice to:	[redacted]	Lab Comments:	

Sample Information					Tests Required		Comments
Envirolab Sample ID (Lab use only)	Client Sample ID or Information	Depth	Date Sampled	Type of Sample	PFAS Extended Suite - Routine Level		Provide as much information about the sample as you can
	0908_QC200_240731	-	31/07/2024		X		
2	0908_QC201_240731	-	31/07/2024		X		

☐ *Please tick the box if observed settled sediment present in water samples is to be included in the extraction and/or analysis*

Relinquished by (Company): AECOM	Received by (Company): [redacted]	Lab Use Only	
Print Name: [redacted]	Print Name: [redacted]	Job number: 358167	Cooling: (Ice) / Ice pack / None
Date & Time: 31/07/24 2:45pm	Date & Time: 2/8/24 0900	Temperature: 3.0	Security seal: (Intact) / Broken / None
Signature: [signature]	Signature: [signature]	TAT Req - SAME day / 1 / 2 / 3 / 4 / (STD)	

Please send ESdat files to DERP.labreports@esdat.com.au and ensure that the files use the PROJECT NAME

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	AECOM Australia Pty Ltd (Sydney)
Attention	[redacted]

Sample Login Details

Your reference	NSW_0908_PFASOMP_24
Envirolab Reference	358167
Date Sample Received	02/08/2024
Date Instructions Received	02/08/2024
Date Results Expected to be Reported	09/08/2024

Sample Condition

Samples received in appropriate condition for analysis	No
No. of Samples Provided	2 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	3.0
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Please contact the laboratory within 24 hours if you wish to cancel the aforementioned testing. Otherwise testing will proceed as per the COC and hence invoiced accordingly.

Please direct any queries to:

[redacted]	[redacted]
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: [redacted]	**Email:** [redacted]

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	AECOM checks	AECOM checks	AECOM checks	PFAS in Waters Extended
0908_QC200_240731	✓	✓	✓	✓
0908_QC201_240731	✓	✓	✓	✓

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

Prepared for
Department of Defence
ABN: 68706814312

Sampling Event Report, September 2024

PFAS OMP - RAAF Base Williamtown

26-Nov-2024
Doc No. 20241126_OMP002_WLM_SamplingEventReport_Rev0

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Delivering a better world

Sampling Event Report, September 2024

PFAS OMP - RAAF Base Williamtown

Client: Department of Defence

ABN: 68706814312

Prepared by

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26-Nov-2024

Job No.: 60612562

AECOM in Australia and New Zealand is certified to ISO9001, ISO14001 and ISO45001.

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List of Acronyms

Acronym	Term
ADWG	Australian Drinking Water Guidelines
AECOM	AECOM Australia Pty Ltd
AFFF	Aqueous Film Forming Foam
Defence	Department of Defence
DoH	Department of Health
DQI	Data Quality Indicator
DQO	Data Quality Objective
EPC	Exposure Point Concentration
FSANZ	Food Standards Australia New Zealand
HEPA	Heads of Environment Protection Authority
LOR	Limit of Reporting
MW	Monitoring Well
NATA	National Analytical Testing Authority
NEMP	National Environmental Management Plan
NEPC	National Environment Protection Council
NEPM	National Environment Protection Measure
NHMRC	National Health and Medical Research Council
NSW	New South Wales
OMP	Ongoing Monitoring Plan
OMR	Ongoing Monitoring Report
ORP	Oxidation-Reduction Potential
PFAS	Per- and poly-fluoroalkyl substances
PFHxS	Perfluorohexane sulfonic acid
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctane sulfonic acid
PMAP	PFAS Management Area Plan
QA/QC	Quality Assurance and Quality Control
RPD	Relative Percentage Difference
SAQP	Sampling and Analysis Quality Plan
SD	Sediment
SW	Surface Water
TOC	Top of Casing

List of Units

Units	Term
°C	Degrees Celsius
µg/L	Micrograms per Litre
µS/cm	MicroSiemens per centimetre
g	Grams
km	Kilometre
L	Litre
m	Metre
mAHD	Metres Australian Height Datum
mbgl	Metres below ground level
mbTOC	Metres below Top of Casing
mg/kg	Milligrams per kilogram
mg/L	Milligrams per Litre
mV	MilliVolts

1.0 Introduction

1.1 General

AECOM Australia Pty Ltd (AECOM) has been engaged by the Department of Defence (Defence) to implement the per- and poly-fluoroalkyl substances (PFAS) Ongoing Monitoring Plan (OMP) at the RAAF Base Williamtown (the 'base', Site ID 0908) and the Williamtown Management Area in New South Wales (NSW). The location of the base and Management Area is shown in **Figure F1** in **Appendix A**.

The OMP (Defence, 2023b) outlines the sampling requirements for the base and off-base areas within the Management Area.

Following each sampling event, a Sampling Event Report will be prepared. An Ongoing Monitoring Report (OMR) will be prepared following the completion of each 12-month sampling period.

This Sampling Event Report has been prepared to report the results of the September 2024 biannual sampling event, specifically highlighting first-time detections and/or new exceedances of human health or ecological screening criteria for the sum of perfluorooctane sulfonic acid (PFOS) and perfluorohexane sulfonic acid (PFHxS) (herein referred to as PFOS+PFHxS), PFOS and/or perfluorooctanoic acid (PFOA).

This report has been prepared in accordance with the Defence *Ongoing Monitoring Program Reporting Guidance* issued in February 2024 (Defence, 2024).

1.2 Objectives

The objectives were to:

- implement the OMP (Defence, 2023b); and
- collect data that will enable Defence to maintain an up to date understanding of the distribution, concentration, transport, and transformation of PFAS.

The data collected may be used to inform where new risk management actions may be required, or to support a determination that remediation has been completed so far as reasonably practicable, including updates and revisions to the PFAS Management Area Plan (PMAP) (Defence, 2023a).

The objective of this phase of works was to implement the scope of works for the September 2024 biannual sampling event in accordance with the Sampling and Analysis Quality Plan (SAQP) (AECOM, 2024).

2.0 Scope of Work

The scope of work was completed in general accordance with the SAQP (AECOM, 2024), as follows:

- obtain permission (where required) to conduct works at the base, off-base publicly accessible areas and at private properties
- groundwater sampling and collection of water quality parameters at all 68 scheduled monitoring wells and bores (refer to **Table 1** below, and **Figure F2** in **Appendix A** for specific locations)
- surface water sampling and collection of water quality parameters at all 25 scheduled surface water locations (refer to **Table 2** below and **Figure F3** in **Appendix A** for specific locations)
- sediment sampling at all 26 scheduled sediment locations (refer to **Table 3** below and **Figure F4** in **Appendix A** for specific locations)
- gauging of groundwater level in monitoring wells prior to collection of samples and for targeted gauging event (refer to **Table 5** in **Section 4.1** for the targeted gauging event locations)
- collection of field duplicate samples at a rate of 1 in 10 primary samples
- analysis of samples for PFAS suite at the standard limit of reporting (LOR)
- data management of the OMP field and laboratory data in Defence ESdat database
- preparation of this Sampling Event Report.

The deviations from the scheduled scope of works are discussed in detail in **Section 3.0**.

Note: due to privacy considerations, selected monitoring locations are unable to be shown on the figures in **Appendix A**.

Table 1 Groundwater Sampling Locations

On/Off-base	Area	Sampling Location	Total
On-base	Former DEMS Landfill (Facility 394)	MW172, MW240D, MW281S, MW282S, MW329, MW340D, MW340S, MW342D, MW344D, MW344S, MW354	11
	Former Fire Training Area (Facility 479)	MW166, MW167, MW168, MW169D, MW169S	5
	Lake Cochran	MW108D, MW108S, MW109D, MW175D, MW466, MW468	6
	Trade Waste Treatment (Facility 480)	MW106D, MW106S	2
Off-base	Cabbage Tree Road	MW125D, MW125S, MW126D, MW126S, **MW139**, MW178, **MW230S**, **MW238D**, **MW238S**	9
	East of base - HWC Pump Station 9 (PS9)	MW130D, MW130S, MW132D, MW132S*, MW160, MW829	6
	East of base - Moors Drain	MW247D, MW247S	2
Off-base	Fullerton Cove	**MW231D**, **MW231S**, MW232D, MW232S, **MW270D**, **MW270S, POT382**	7
	Lavis Lane	MW128D, MW128S, MW279S	3
	North of base - Background	MW264D, MW264S	2
	Southern Area	MW731D, MW731S	2
	Southern Area – Cabbage Tree Road	MW146AD, MW146S, **MW271D**, **MW271S**, MW278D, MW278S	6

On/Off-base	Area	Sampling Location	Total
	West of base	MW107D, MW107S, MW241D, MW241S, MW280S, MW315D, MW315S	7
Total			**68**

Bold text denotes residential private property location.
Note MW132I was sampled instead of MW132S – further details provided in **Section 3**.

Table 2 Surface Water Sampling Locations

On/Off-base	Area	Sampling Location	Total
On-base	Dawsons Drain (Lake Cochran)	SW055	1
	Lake Cochran	SW108, SW110	2
	Moors Drain Catchment	SW582, SW588	2
	On-base Drain (East of Former DEMS Landfill)	SW048	1
	On-base Drain (North of Lake Cochran)	SW047	1
Off-base	Dawsons Drain	SW059, SW060, **SW333**	3
	Fourteen Foot Drain	SW062, **SW600**	2
	Fullerton Cove Ring Drain	**SW259**	1
	Moors Drain	SW001, SW005, SW006, SW007, SW009, SW011, SW014	7
	Ten Foot Drain	SW081	1
	Tilligerry Creek	**SW019**, SW023, SW024, SW079	4
Total			**25**

Bold text denotes residential private property location

Table 3 Sediment Sampling Locations

On/Off-base	Area	Sampling Location	Total
On-base	Dawsons Drain (Lake Cochran)	SD055	1
	Lake Cochran	SD108, SD110	2
	On-base Drain (East of Former DEMS Landfill)	SD048	1
	On-base Drain (North of Lake Cochran)	SD047	1
Off-base	Dawsons Drain	SD059, SD060, **SD333**	3
	Fourteen Foot Drain	SD062, **SD600**	2
	Fullerton Cove (tidal gate outlet)	**SD254**, **SD255**, **SD326**	3
	Fullerton Cove Ring Drain	**SD259**	1
	Moors Drain	SD001, SD005, SD006, SD007, SD009, SD011, SD014	7
	Ten Foot Drain	SD081	1
	Tilligerry Creek	**SD019**, SD023, SD024, SD079	4
Total			**26**

Bold text denotes residential private property location

3.0 Deviations from the SAQP

The September 2024 biannual sampling event was completed in general accordance with the SAQP (AECOM, 2024). Deviations from the SAQP are provided in **Table 4** below.

Table 4 Deviations from SAQP

SAQP Deviation	Comment / Justification	Impact on Dataset
One of the scheduled groundwater sampling locations (MW132S) has been incorrectly identified in the SAQP and OMP.	Monitoring well MW132S is a scheduled groundwater sampling location in accordance with the OMP (Defence, 2023b) and SAQP (AECOM, 2024). During an audit of the data collected to date, it was identified that the location sampled under the OMP program was MW132I, rather than MW132S. Location MW132S appears to have been destroyed/lost. Only MW132I (intermediate well) and MW132D (deep well) are present at the sampling location cluster.	This change has no impact to the overall interpretation of the data or the program, noting that the same monitoring well had been sampled throughout the program, and data has now been reviewed against the correct historical dataset. The monitoring well MW132I is a suitable well for the purpose of the OMP. The SAQP and the OMP should be updated to replace MW132S with MW132I, on their next respective revisions. The Defence Esdat database has been updated, associating the samples collected to the correct Location Code (MW132I).

4.0 Methodology

4.1 Sampling Methodology

The methodology used for the September 2024 biannual sampling event was in accordance with the SAQP (AECOM, 2024) and is summarised in **Table 5** below.

Table 5 Sampling Methodology

Item	Details
Groundwater gauging	The depth to groundwater was measured in each monitoring well immediately prior to collection of groundwater samples (where sampling was required) using an interface probe. In addition, a targeted gauging round including 29 selected monitoring wells was completed to generate data for the groundwater elevation contours and assess groundwater flow direction. The targeted gauging round was completed on 27 September 2024. The selected locations for the targeted gauging event are as follows: • **shallow wells**: MW106S, MW122, MW123, MW124, MW125S, MW126S, MW146S, MW162S, MW188S, MW232S, MW247S, MW256S, MW257S, MW260S, MW268S and MW897S • **deep monitoring wells**: MW106D, MW125D, MW126D, MW146AD, MW162D, MW188D, MW232D, MW247D, MW256D, MW257D, MW260D, MW268D and MW897D. Measurements of depth to groundwater were undertaken using a decontaminated interface probe, which was serviced by the supplier prior to use. The equipment supplier records are provided in **Appendix C**.
Field parameters	Temperature, electrical conductivity, dissolved oxygen, oxidation-reduction potential (ORP), pH and observations of water quality were recorded for groundwater and surface water samples. Water quality parameters were collected using a calibrated water quality meter. The equipment supplier service and calibration records, and field calibration records are provided in **Appendix C**.
Sampling methodology	**Groundwater Monitoring Wells** Groundwater samples were collected from monitoring wells using a no-purge methodology with HydraSleeves™ which were installed within the screened interval of the wells and avoiding placing the base of the HydraSleeves™ at the base of the monitoring well, where a build-up of sediment may be present. The installation depth of the HydraSleeves™ was recorded (as HydraSleeve™ collar depth in metres below top of casing (mbTOC)). HydraSleeves™, with bottom weights only, were installed / deployed in monitoring wells for a minimum of 4 hours prior to sampling, to allow re-stabilisation of the well following disturbance. For this event, the majority of the HydraSleeves™ were installed during the previous sampling event in April 2024, with the exception of four locations, which were installed in May 2024 (MW731D), July 2024 (MW241D/S) and August 2024 (MW731S). Following sampling, water quality parameters were recorded ex-situ, from any excess water available in the HydraSleeve™.

Item	Details
	As per the SAQP (AECOM, 2024), the groundwater sample from MW829 was collected using a dedicated disposable HDPE bailer, as this pump station bore/sampling point is a non-traditional well with no well cap or gatic. **Residential Bores** Bore water samples were collected by placing the new laboratory provided sample bottles beneath the tap outlet and the tap slowly opened to collect the “first flush” of water, used with the caps immediately applied once the containers were full. Following sampling, water quality parameters were recorded ex-situ, by placing the water quality meter probe in a cup filled with bore water from the tap outlet. **Surface Water** Surface water samples were collected from either mid-way through the water column or approximately 0.5 m below the surface (if possible) using a ‘grab’ sample method, without disturbing the bottom of the surface water body and without capturing any surface film, to minimise collection of sediment, or floating materials in the samples. At each location, new laboratory supplied containers were lowered into the water with the caps immediately applied once the containers were full. Where sampling points were not able to be accessed safely, surface water samples were collected with use of a sampling pole. Description of each sampling location were recorded (including physical setting, flow observations, presence of sheen or foam etc). **Sediment** Sediment samples were collected from a depth representative of potentially deposited sediments and collected from within the water body, using a hand trowel to a maximum depth of 0.3 m below the sediment surface. A new laboratory supplied container was used at each location for collection of samples, and any reusable sampling equipment utilised was de-contaminated between locations. Description of each sampling location and the sample material was recorded.

Item	Details
QA/QC Samples	A Quality Assurance and Quality Control (QA/QC) program was implemented for the sampling and analysis program in order to obtain representative data and assess the reliability of the data obtained. To facilitate the QA/QC program the following sample types were obtained during the sampling program: • *Intra-laboratory duplicates* collected at a rate of 1 in 10 primary samples. The relative percentage difference (RPD) should be less than 30%, or less than 50% if results are less than 20 times the LOR. Higher RPDs may also be acceptable if results are less than 10 times the LOR. • *Inter-laboratory duplicates* collected at a rate of 1 in 10 primary samples. The RPD should be less than 30%, or less than 50% if results are less than 20 times the LOR. Higher RPDs may also be acceptable if results are less than 10 times the LOR. • *Rinsate blanks* collected at a frequency of one per set of sampling equipment per day where equipment was reused between locations. Analytical results should be below the laboratory LOR. For this September 2024 biannual sampling event, the QA/QC samples included: • 13 x intra-laboratory duplicates (7 groundwater, 3 surface water and 3 sediment) which met the total target frequency • 13 x inter-laboratory duplicates (7 groundwater, 3 surface water and 3 sediment) which met the total target frequency • 7 x rinsate blanks, which met the total target frequency. The total number of primary samples collected amounts to 119 samples, comprising 93 samples for water (68 groundwater, 25 surface water) and 26 samples for sediment. The detailed data validation assessment is presented in **Appendix D**.
Sample analysis	Samples were submitted to the primary and secondary laboratories for PFAS suite at the standard LOR. ALS Environmental (ALS) Sydney, NSW was used as the primary laboratory. Envirolab Services (Envirolab) Sydney, NSW was used as the secondary laboratory. ALS and Envirolab methods for analyses were certified by the National Association of Testing Authorities (NATA). A summary of the laboratory results is presented in **Section 5.3** and the laboratory certificates are presented in **Appendix E**.

4.2 Adopted Screening Criteria

Guidance documents used to assess the dataset include the following:

- Heads of EPAs Australia and New Zealand (HEPA) 2020. *PFAS National Environmental Management Plan 2.0*. January 2020.
- Department of Health (DoH), 2017. *Health Based Guidance Values for PFAS for use in site investigations in Australia*. April 2017.
- Food Standards Australia New Zealand (FSANZ), 2017. *Supporting Document 1: Hazard assessment report – Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic Acid (PFOA), Perfluorohexane Sulfonate (PFHxS).*
- National Health and Medical Research Council (NHMRC), 2019. *Guidance on PFAS in Recreational Water.* August 2019.

- National Environment Protection Council (NEPC), 2013. *Schedule B1. National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013) Schedule B1 Guideline on Investigation Levels for Soil and Groundwater.*

The adopted PFAS screening criteria to assess the data generated as part of the OMP are presented in **Table 6** below. It is noted that, at the time of preparing this report, the PFAS NEMP (HEPA, 2020) did not provide any screening criteria for PFAS in sediments.

Table 6 Summary of Adopted Screening Criteria: Water

Media	Pathway	Compound	Criteria	Comment/Reference
Human Health Receptors				
Water – Groundwater	Drinking water	PFOS + PFHxS	0.07 µg/L	The values presented in the PFAS NEMP (HEPA, 2020) are from DoH (2017), which published final health-based guidance values for PFAS for use in site investigations in Australia. DoH utilised the Tolerable Daily Intake for PFOS and PFOA from FSANZ (2017) and the methodology described in Chapter 6.3.3 of the NHMRC's Australian Drinking Water Guidelines (ADWG) (2022) to determine drinking water values. For PFHxS, DoH (2017) noted that '*FSANZ concluded that there was not enough toxicological and epidemiological information to justify establishing a tolerable daily intake. However, as a precaution, and for the purposes of site investigations, the PFOS tolerable daily intake should apply to PFHxS. In practice, this means that the level of PFHxS exposure should be added to the level of PFOS exposure; and this combined level be compared to the tolerable daily intake for PFOS*'. *All groundwater results were compared to these criteria.*
		PFOA	0.56 µg/L	
Water – Surface Water and Groundwater	Recreational use	PFOS + PFHxS	2 µg/L	In August 2019, NHMRC's water quality advisory recommended an alternative methodology to calculate recreational guideline values. Instead of basing it on an ingestion rate of 0.2 L of water per day (as per the ADWG formula), NHMRC adjusted this rate with consideration of an event frequency (150 events/year) to calculate an annual ingestion rate of 30 L per year. These values were adopted in the PFAS NEMP (HEPA, 2020). Note: given that groundwater at the base is extracted for irrigation purposes (post treatment), the recreational guidelines have been adopted to be protective of this water use activity. *All surface water and groundwater results were compared to these criteria.*
		PFOA	10 µg/L	

Media	Pathway	Compound	Criteria	Comment/Reference
Ecological Receptors				
Water – Groundwater and Surface Water	Freshwater	PFOS	0.00023 µg/L	The values are from the PFAS NEMP (HEPA, 2020) which endorsed the Australian and New Zealand Guidelines for Fresh and Marine Water Quality. The 99% species protection level (for freshwater and interim marine) has been applied for high value conservation systems. This approach is generally adopted for chemicals that bioaccumulate and biomagnify in wildlife. It is proposed that the laboratory LOR is adopted for the purposes of preliminary screening of analytical water results, rather than sole use of the criteria value. *All groundwater and surface water results were compared to these criteria.*
		PFOA	19 µg/L	

4.3 Triggers Levels

The following trigger levels as presented in the OMP (Defence, 2023b) have also been assessed:

- First-time detection of PFAS in groundwater / surface water
- First-time exceedance of the drinking water guideline in groundwater
- First-time exceedance of the recreational water guideline in surface water
- First-time exceedance in groundwater of the groundwater exposure point concentration (EPC) used in the Human Health Risk Assessment (HHRA) (AECOM, 2017b) for the relevant Risk Zone[1]:
    - Risk Zone A – PFOS+PFHxS: 190.3 µg/L
    - Risk Zone B – PFOS+PFHxS: 5.67 µg/L
    - Risk Zone C & D – PFOS+PFHxS: 0.05 µg/L
- First-time exceedance in surface water of the surface water EPC for 95th percentile used in the 2017 HHRA (AECOM, 2017b):
    - Marine Water - PFOS: 1.78 µg/L, PFHxS: 1.48 µg/L
    - Region 1 – PFOS: 5.035 µg/L, PFHxS: 1.666 µg/L
    - Region 2 – PFOS: 1.47 µg/L, PFHxS: 1.009 µg/L
    - Region 3 – PFOS: 7.743 µg/L, PFHxS: 6.773 µg/L
- Sediment PFAS concentration increase in two consecutive sampling events

[1] Risk Zones and Regions as defined in the HHRA (AECOM, 2017b), detailed below. The extent of the Risk Zones and Regions are shown in the HHRA (2017b) maps displayed in **Appendix F** of this report.

- **Marine Water:** various water bodies such as those associated with Port Stephens and Hunter River (i.e. Fullerton Cove for the purpose of the OMP)
- **Region 1**: the area east of the base, generally following Moors Drain and discharging at the tidal portion of Tilligerry Creek.
- **Region 2**: the area along Tilligerry Creek south east of the base which discharges in the tidal portion of Tilligerry Creek
- **Region 3**: the surface water drainage network south of the base, which predominantly discharges at Fullerton Cove.
- **Risk Zone A** is defined by the footprint of the Southern Area, which includes a portion of Region 3.
- **Risk Zone B** is defined by the footprint of the Eastern Area, which includes a portion of both Region 1 and Region 3.
- **Risk Zone C** is defined by that portion of the footprint of the remaining area, which corresponds with Region 1 and Region 3.
- **Risk Zone D** is defined by that portion of the footprint of the remaining area, which corresponds with Region 2.

Note that PFAS trends will be reviewed and discussed in the next OMR, together with a review of the CSM and risk profile.

4.4 Data Quality Objectives and Data Validation

The data quality objectives (DQOs) and data quality indicators (DQIs) adopted for these works are presented in the SAQP (AECOM, 2024). The data validation assessment is provided in **Appendix D**.

Data validation procedures employed in the assessment of the field and laboratory's Quality Assurance and Quality Control data, completed as per Section 3.2 of the SAQP, indicated that the reported analytical results are representative of the sample locations and that the overall quality of the analytical data produced is acceptably reliable (i.e. >95% of the data was suitable for use and DQIs passed acceptance criteria) for the purpose of this sampling event report.

Following the reporting of PFAS concentrations which were either exceeding an OMP trigger level or were considered to be anomalous, the primary laboratory was requested to repeat the analysis for MW168, MW172, MW270S and SD600. The reanalysis and originally reported PFAS concentrations were within an order of magnitude of each other and the primary laboratory did not identify any procedural or analytical errors pertaining to their analysis. As such, the most conservative, originally reported concentrations have been retained and used in this report.

Further details are provided in the data validation assessment in **Appendix D**.

All data collected during this event have been reviewed and uploaded to the Defence ESdat database in accordance with Defence Contamination Management Manual requirements.

5.0 Field Observations and Results

5.1 General Observations

The weather conditions and general observations (including activities that may impact the monitoring program) recorded during the September 2024 biannual sampling event completed between 19 and 27 September 2024 are summarised below in **Table 7**.

Table 7 General Observations

Items	Observations
Weather Conditions	During the sampling event, the weather was observed to be variable, with maximum daily temperatures between 16.6˚C (26 September 2024) and 28.5˚C (23 September 2024), and with 33.0 mm of cumulative rainfall recorded at Williamtown (Williamtown RAAF, Station 061078) (Bureau of Meteorology, 2024). All rainfall was recorded on 26 and 27 September 2024.
Estate Management Works, Training Activities and/or Construction Works.	No estate management works, training activities or construction works with potential to impact the program were observed during the sampling event.

5.2 Field Observations and Measurements

The observations and measurements recorded during the field activities for the September 2024 biannual sampling event are summarised in **Table 8**, below.

Table 8 Field Observations and Measurements

Item	Description
Monitoring Well Network Condition	All wells were able to be sampled. The following observations of the well network were noted: • MW106S, MW126S, MW130S, MW130D, MW132I, MW162S, MW168, MW169D, MW169D, MW231D, MW264S, MW268S: well gatic lugs for bolts were rusted. • MW108D, MW125S, MW125D, MW128D, MW146S, MW188S, MW188S, MW231S, MW268D, MW271S, MW281S: well gatic lid unable to be closed due to the PVC and/or J-cap height. • MW126D, MW166, MW238D, MW241S, MW241D: well gatic bolts were missing and replaced following sampling. • MW106S, MW107D, MW168, MW169S, MW230S, MW278S, MW280S: well gatic bolts were missing, however unable to be replaced due to rusting of lugs (MW106S, MW168, MW169S, MW169D) or non-standard bolt size (MW107S, MW107D, MW166, MW230S, MW278S, MW280S). • MW106D, MW107D, MW260D: well gatic full of sediment which was removed prior to sampling. • MW232D, MW731D: well monument lid hinge broken. • MW106D, MW109D, MW125D, MW126D, MW162S, MW168, MW172, MW240D, MW247D, MW264S, MW829: wells may have some sediment build-up at the base of the screen/base of the well identified during gauging as soft base. Note that groundwater was able to be sampled from within the screen interval, and therefore considered representative.

Item	Description
	• MW106S, MW264D, MW268D, MW897D: wells may have a blockage close to the base of the wells. Note that groundwater was able to be sampled from within the screen interval (for sampling locations), and therefore considered representative. • MW230S, MW278D: well gatic was full of water to above top of casing. The water was removed prior to sampling at each location. Given the J-caps were secure, water ingress into the wells was unlikely, and the groundwater sampled was considered representative. • MW231D: erosion was identified next to the monitoring well. The well was in appropriate condition for gauging and/or sampling.
Water Observations	No visible signs of contamination were observed in the groundwater and surface water locations sampled. Sulphurous odours were noted at 35 groundwater locations (refer to **Table T2** in **Appendix B**). Organic odours were noted at six groundwater locations (MW128S, MW166, MW167, MW175D, MW178, MW271D) and seven surface water locations (SW001, SW011, SW047, SW055, SW079, SW081 and SW259).
Depth to Groundwater and Flow Direction	During the sampling event, depth to groundwater ranged from 0.120 (MW230S) and 2.351 (MW132D) mbTOC, and groundwater elevation ranged between -0.198 (MW231S) and 8.941 (MW264D) metres Australian Height Datum (mAHD). Groundwater gauging data is presented in **Table T1** in **Appendix B**. The inferred groundwater flow direction is to the south and southeast, towards Tilligerry Creek and Fourteen Foot Drain, and is likely to the north and northeast, south of Tilligerry Creek, Fourteen Foot Drain and Ten Foot Drain (refer to **Figure F5-1** and **F5-2** in **Appendix A**), which was generally consistent with previous flow directions. Note that the groundwater elevation contours in **Figure F5-1** and **Figure F5-2** (in **Appendix A**) are based on the gauging of 29 selected wells on 27 September 2024 to minimise the potential for temporal variability.
Water Quality Parameters	Groundwater and surface water quality parameters were measured during the collection of water samples. The readings are presented in **Table T2** and **Table T3** in **Appendix B** and are summarised below: **Groundwater Quality Parameters** • Dissolved oxygen ranged from 0.35 mg/L (MW231S) to 6.7 mg/L (MW167) indicating poor to well oxygenated conditions. • Electrical conductivity ranged from 40.4 µS/cm (MW241S) to 16,477 µS/cm (MW231D) indicating fresh to saline conditions. • pH ranged from 4.5 (MW340S) to 8.02 (POT382) indicating acidic to mildly alkaline conditions. • ORP (corrected) ranged from 47.1 mV (POT382) to 428.4 mV (MW166) indicating reducing to mildly oxidising conditions. • Temperature ranged from 14.5˚C (MW107S) to 22.7˚C (MW175D). **Surface Water Quality Parameters** • Dissolved oxygen ranged from 1.8 mg/L (SW079) to 7.18 mg/L (SW048) indicating moderately to well oxygenated conditions. • Electrical conductivity ranged from 98.1 µS/cm (SW048) to 15,035 µS/cm (SW259) indicating fresh to saline conditions.

Item	Description
	• pH ranged from 5.42 (SW047) to 7.96 (SW019) indicating mildly acidic to mildly alkaline conditions. • ORP (corrected) ranged from 142.8 mV (SW079) to 377.8 mV (SW047) indicating mildly reducing to mildly oxidising conditions. • Temperature ranged from 15.2˚C (SW011) to 27.6˚C (SW048).
Sediment Observations	Sediment sampled and logged during this monitoring event comprised sand, silt and clay materials with varying amounts of organic material inclusions (roots, leaves, grass) and, for some materials, traces of gravels or shell fragments. Organic odours were noted in four sediment locations (SD023, SD060, SD333 and SD600), and sulfuric odours were noted in one location (SD081). Refer to in **Table T4** in **Appendix B** for a summary of sediment classifications and observations.

5.3 Summary of Analytical Results

5.3.1 Groundwater Analytical Results

The groundwater PFAS analytical results from this sampling event are presented in **Table T5** in **Appendix B**. In summary, 68 primary groundwater samples were analysed for PFAS compounds during this sampling event, with concentrations of:

- PFOS+PFHxS, PFOS and/or PFOA reported above laboratory LOR in 42 primary samples
- PFOS+PFHxS and/or PFOA exceeding the adopted human health drinking water screening criteria in 35 primary samples
- PFOS+PFHxS and/or PFOA exceeding the adopted human health recreational water screening criteria in 16 primary samples
- PFOS and/or PFOA exceeding the adopted ecological screening criteria in 37 primary samples.

5.3.2 Surface Water Analytical Results

The surface water PFAS analytical results from this sampling event are presented in **Table T6** in **Appendix B**. In summary, 25 primary surface water samples were analysed for PFAS compounds during this sampling event, with concentrations of:

- PFOS+PFHxS, PFOS and/or PFOA reported above laboratory LOR in all 25 primary samples
- PFOS+PFHxS and/or PFOA exceeding the adopted human health recreational water screening criteria in 11 primary samples
- PFOS and/or PFOA exceeding the adopted ecological screening criteria in all 25 primary samples.

5.3.3 Sediment Analytical Results

The sediment PFAS analytical results from this sampling event are presented in **Table T7** in **Appendix B**. In summary, 26 primary sediment samples were analysed for PFAS compounds during this sampling event, with concentrations of PFOS+PFHxS, PFOS and/or PFOA reported above laboratory LOR in all 26 primary samples.

5.3.4 Historical Analytical Results

The groundwater, surface water and sediment PFAS analytical results from this sampling event as well as historical data for all locations currently in the OMP scope, as per the SAQP (AECOM, 2024), are presented in **Table T8**, **Table T9** and **Table T10** (respectively) in **Appendix B.**

5.4 Trigger Levels Assessment

The assessment of analytical results from this sampling event against the OMP trigger levels and associated responses is presented in **Table 9.**

Table 9 Trigger Levels Assessment

Triggers	Triggers in September 2024 Sampling Event Data	Responses
First-time detection of PFAS (for regulated PFAS including PFOS+PFHxS, PFOS and/or PFOA), in groundwater and surface water	• Nil	• Nil
First-time exceedance of the drinking water guideline (HEPA, 2020) in groundwater: PFOS+PFHxS: 0.7 µg/L PFOA: 0.56 µg/L	• A first-time exceedance of the drinking water guideline for PFOS+PFHxS was reported for groundwater sampling locations MW270S (0.1 µg/L, previous maximum reported in May 2023 at 0.07 µg/L). This new exceedance is presented in **Table T8** in **Appendix B** (not displayed on Figures due to residential privacy agreement).	• The sample (MW270S) was reanalysed by the primary laboratory and the PFOS+PFHxS exceedance was confirmed (refer to details in the Data Validation on **Appendix D**). • The rolling average of over a three year period (2022-2024) for PFOS+PFHxS results from MW270S (0.05 µg/L) remain below the drinking water guidelines.
First-time exceedance of the recreational water guideline (HEPA, 2020) in surface water: PFOS+PFHxS: 2 µg/L PFOA: 10 µg/L	• Nil	• Nil
First-time exceedance in groundwater of the groundwater exposure point concentration (EPC) used in the 2017 HHRA for the relevant Risk Zone: **Risk Zone A** PFOS+PFHxS: 190.3 µg/L **Risk Zone B** PFOS+PFHxS: 5.67 µg/L **Risk Zone C & D** PFOS+PFHxS: 0.05 µg/L	• Nil	• Nil

Triggers	Triggers in September 2024 Sampling Event Data	Responses
First-time exceedance in surface water of the surface water EPC for 95th percentile used in the 2017 HHRA: **Marine Water** PFOS: 1.78 µg/L, PFHxS: 1.48 µg/L **Region 1** PFOS: 5.035 µg/L, PFHxS: 1.666 µg/L **Region 2** PFOS: 1.47 µg/L, PFHxS: 1.009 µg/L **Region 3** PFOS: 7.743 µg/L, PFHxS: 6.773 µg/L	• Nil	• Nil
Sediment PFAS (i.e. Sum of PFAS) concentration increase in two consecutive sampling events.	• Nil (where increases in two consecutive sampling events, results were below historical maximums)	• Nil

6.0 Summary and Next Sampling Events

6.1 Summary of Monitoring Event

The September 2024 biannual sampling event was completed between 19 and 27 September 2024. The findings and the recommended actions are summarised in **Table 10** below.

Table 10 Summary of Sampling Event

Item	Comment	Recommended Action
Access to sampling locations	The following were accessed and able to be sampled: • 68 groundwater locations • 25 surface water locations • 26 sediment locations	Nil.
Locations unable to be located, inaccessible or dry	All locations scheduled to be sampled during the September 2024 biannual sampling event were able to be located, accessed and sampled. However, one of the scheduled groundwater sampling locations (MW132S) has been incorrectly identified in the SAQP and OMP. During an audit of the data collected to date, it was identified that the location sampled under the OMP program was MW132I, rather than MW132S, based on total depth of well. Location MW132S appears to have been destroyed/lost. Only MW132I (intermediate well) and MW132D (deep well) are present at the sampling location cluster. The monitoring well MW132I is a suitable well for the purpose of the OMP and going forward should be replacing MW132S.	Nil. The SAQP and the OMP should be updated to replace MW132S with MW132I, during the next respective revisions. The Defence Esdat database has been updated, associating the samples collected to the correct Location Code (MW132I).

Item	Comment	Recommended Action
Monitoring well network condition	All monitoring wells were able to be accessed and sampled, and were noted to be in good condition, with the exception of the following observed at some locations: • water in the well gatic above top of casing, drained prior to opening the J-cap for sampling (MW230S, MW278D) • well gatic lid unable to be closed due to the height of the PVC and/or J-cap (MW108D, MW125S, MW125D, MW128D, MW146S, MW188S, MW188S, MW231S, MW268D, MW271S, MW281S) • well gatic bolts were missing and replaced following sampling (MW126D, MW166, MW238D, MW241S, MW241D) • well gatic bolts were missing but unable to be replaced due to rusting of lugs (MW106S, MW168, MW169S, MW169D) or non-standard bolt size (MW107S, MW107D, MW166, MW230S, MW278S, MW280S) • well gatic lugs for bolts rusted (MW106S, MW126S, MW130S, MW130D, MW132I, MW162S, MW168, MW169D, MW169D, MW231D, MW264S, MW268S) • well gatic full of sediment which was removed prior to sampling (MW106D, MW107D, MW260D) • well monument lid hinge broken (MW232D, MW731D) • wells may have some sediment build-up at the base of the wells (MW106D, MW109D, MW125D, MW126D, MW162S, MW168, MW172, MW240D, MW247D, MW264S, MW829) • potential blockage in well casing, close to the well base (MW106S, MW264D, MW268D, MW897D) • erosion identified next to monitoring well (MW231D)	The following actions should be completed during the next scheduled sampling event: • replace the bolts at the following: MW107S, MW107D, MW166, MW230S, MW278S, MW280S. • redevelop to remove sedimentation at the following:MW106D, MW109D, MW162S, MW168, MW172, MW240D, MW247D, MW264S, MW829. • clear the potential blockage at the following: MW106S, MW264D, MW269D and MW897D. • backfill the area of erosion at MW231D.
Analytical Results	68 groundwater primary samples, 25 surface water primary samples and 26 sediment primary samples were analysed.	Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.
First-time detections of PFOS+PFHxS, PFOS and/or PFOA in groundwater and surface water	There were no first-time detections of PFOS+PFHxS, PFOS and/or PFOA reported in the groundwater and surface water locations sampled.	Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.

Item	Comment	Recommended Action
First-time exceedance of the drinking water guideline in groundwater	There was one first-time exceedance of the adopted human health screening criteria (drinking water) reported in the groundwater locations sampled: • PFOS+PFHxS at MW270S	No additional actions. Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.
First-time exceedance of the recreational water guideline in surface water	There were no first-time exceedances of the adopted human health screening criteria (recreational water) in the surface water locations sampled.	Locations will be sampled again during the next scheduled sampling event to continue to monitor concentrations over time.
First-time exceedance of the groundwater EPC (AECOM 2017b) for the relevant Risk Zone in groundwater	There were no first-time exceedances of the groundwater EPC values (AECOM 2017b) for the relevant Risk Zone in the groundwater locations sampled.	
First-time exceedance of the surface water EPC for 95th percentile (AECOM 2017b) in surface water	There were no first-time exceedances of the surface water EPC values for 95th percentile (AECOM 2017b) in the surface water locations sampled.	
Sediment PFAS concentration increase in two consecutive sampling events	There were no Sum of PFAS that represent increases in two consecutive sampling events that are outside of historical concentration ranges for the sediment locations sampled.	

6.2 Upcoming Sampling Events

The next OMP sampling event is scheduled for March/April 2025.

6.3 Upcoming Ongoing Monitoring Report

The next OMR is scheduled to be delivered in Q4 of 2024, covering data collected within the 12-month sampling period between January 2024 and December 2024.

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Appendix A

Figures

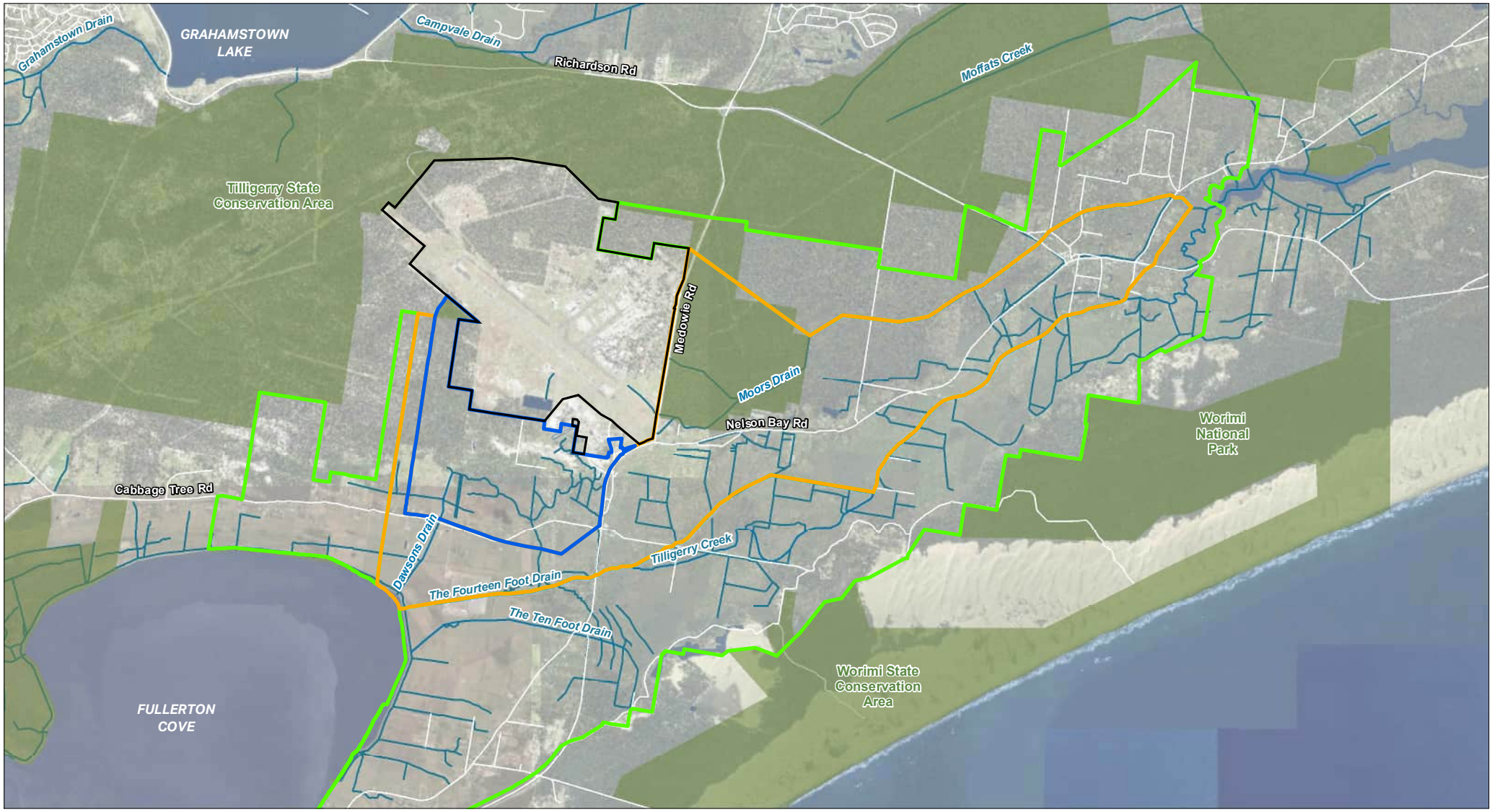

FIGURE F1: SITE LAYOUT

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway

N

0 1 2 km

AECOM

PROJECT NAME:
PFAS OMP
REPORT NAME:
Sampling Event Report – September 2024
RAAF Base Williamtown (0908)
PROJECT NUMBER:
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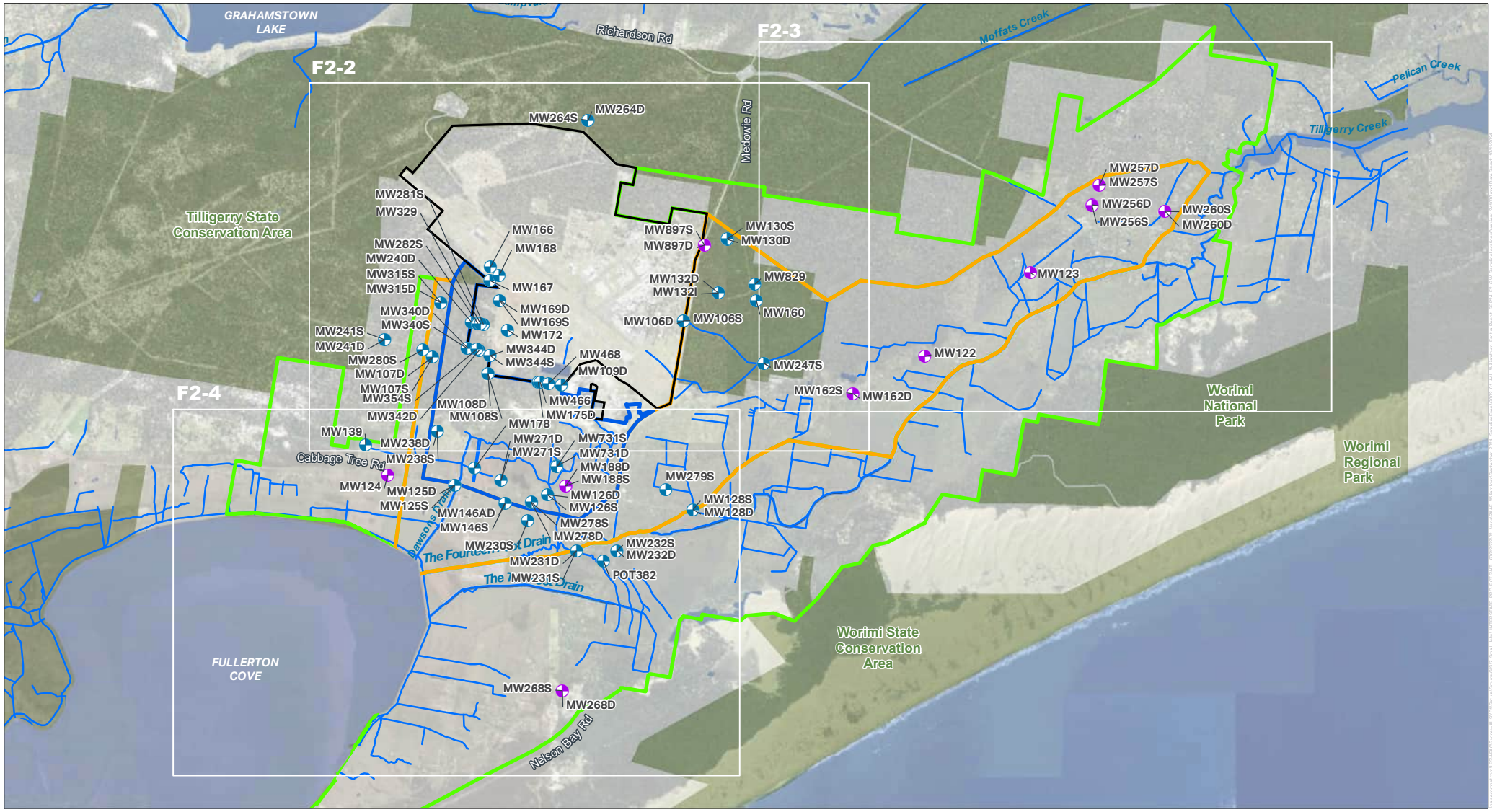

FIGURE F2-1: GROUNDWATER MONITORING LOCATIONS OVERVIEW

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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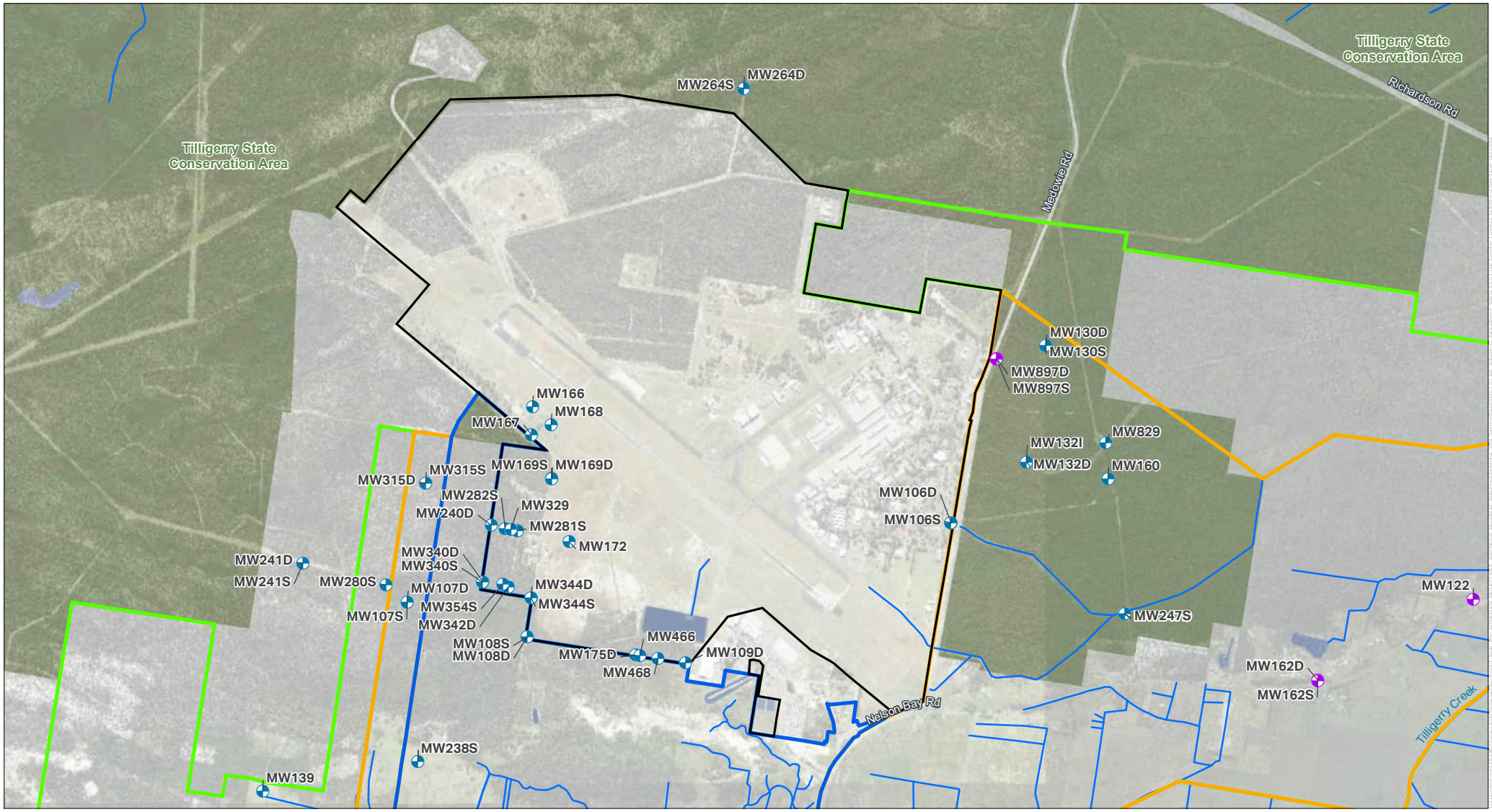

FIGURE F2-2: GROUNDWATER MONITORING LOCATIONS - BASE AND WEST

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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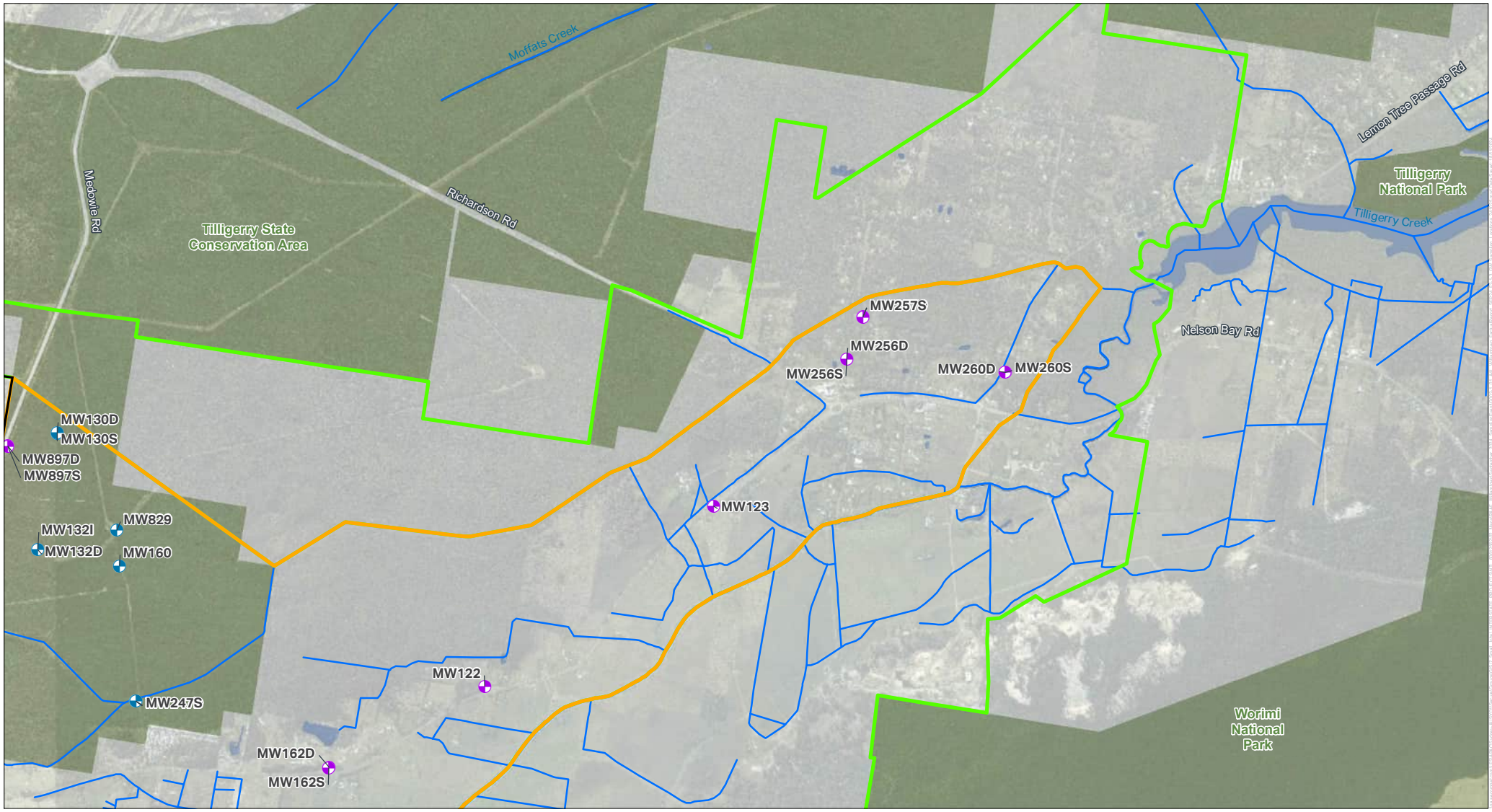

FIGURE F2-3: GROUNDWATER MONITORING LOCATIONS - EAST

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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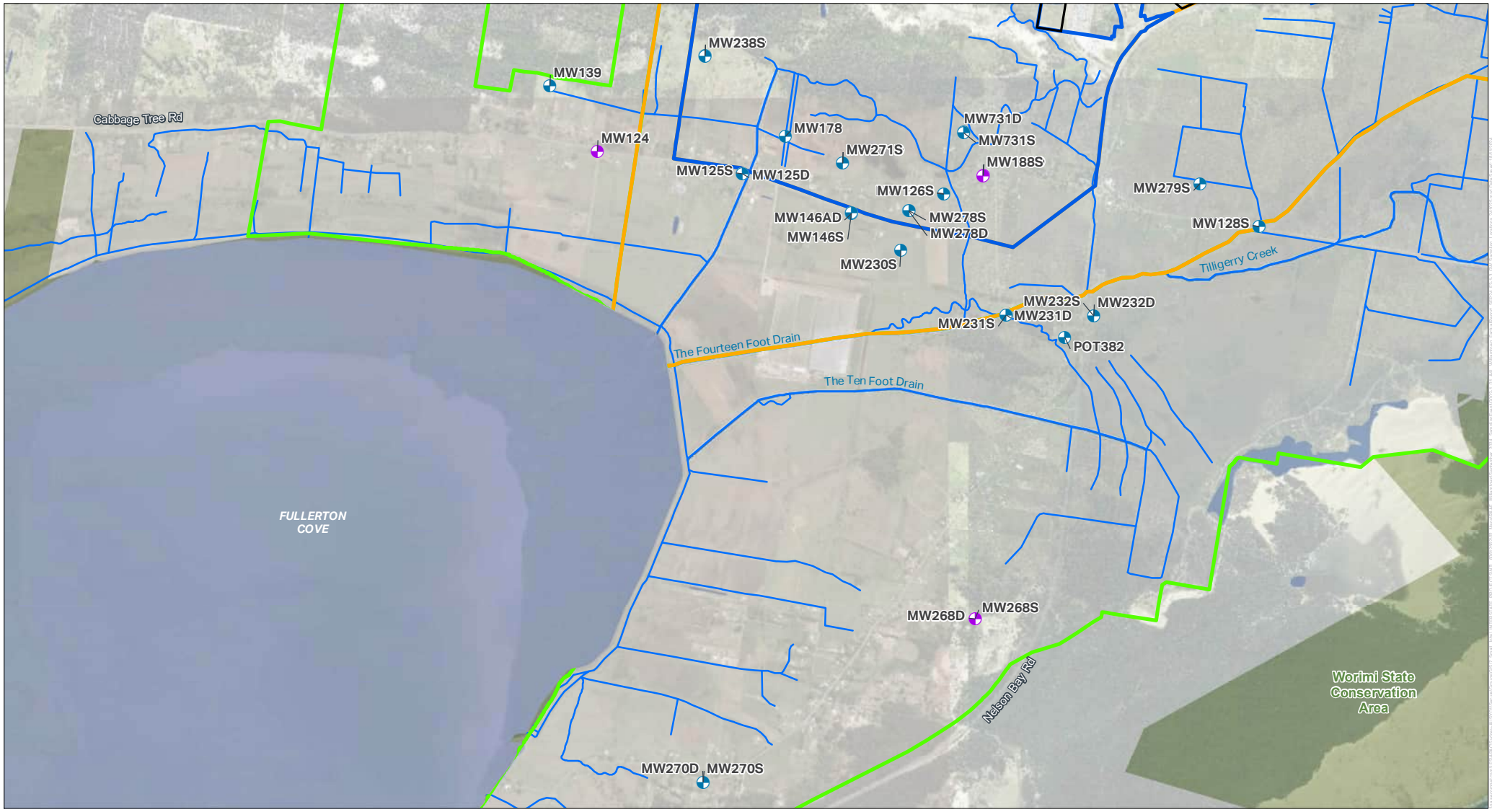

FIGURE F2-4: GROUNDWATER MONITORING LOCATIONS - SOUTH

Legend

- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (sampled)
- Groundwater Location (gauged)

N

0 0.5 1 km

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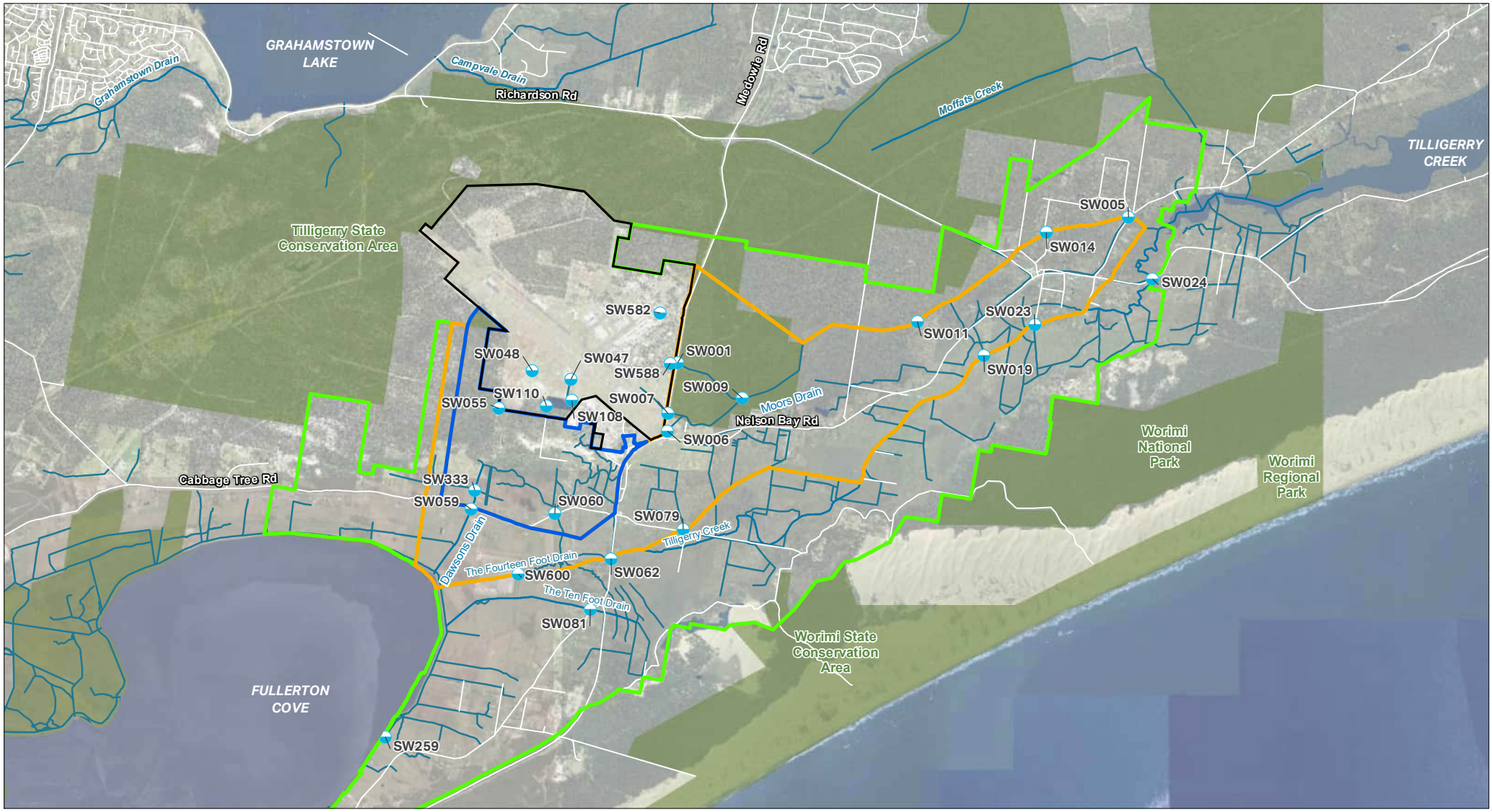

FIGURE F3: SURFACE WATER SAMPLING LOCATIONS

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Surface Water Location (sampled)

N

0 1 2 km

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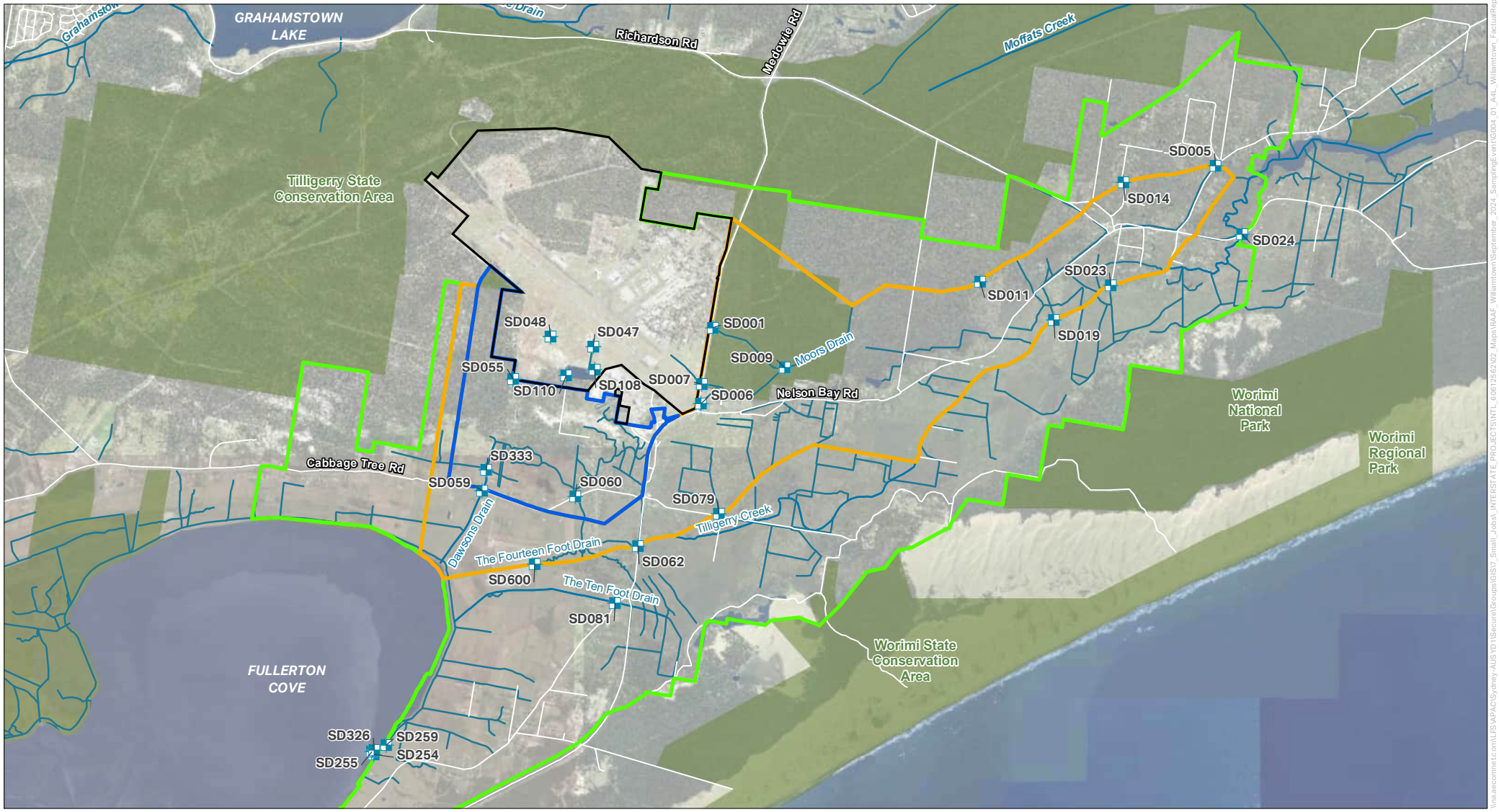

FIGURE F4: SEDIMENT SAMPLING LOCATIONS

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Sediment Location (sampled)

N

0 1 2 km

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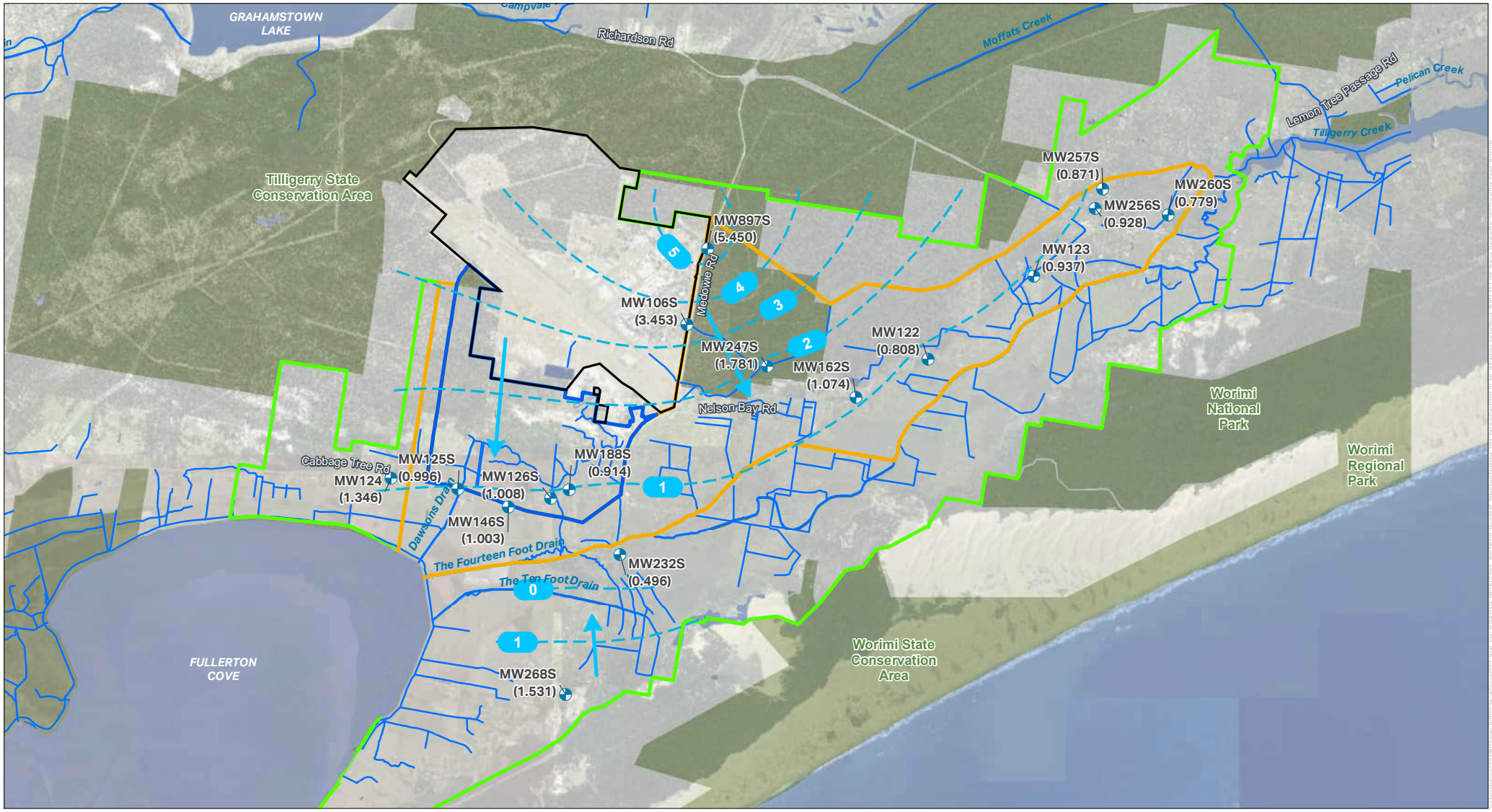

FIGURE F5-1: GROUNDWATER ELEVATION PLAN - SHALLOW

Legend

- RAAF Base Williamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contours (Shallow Wells; mAHD)

N

0 0.5 1 km

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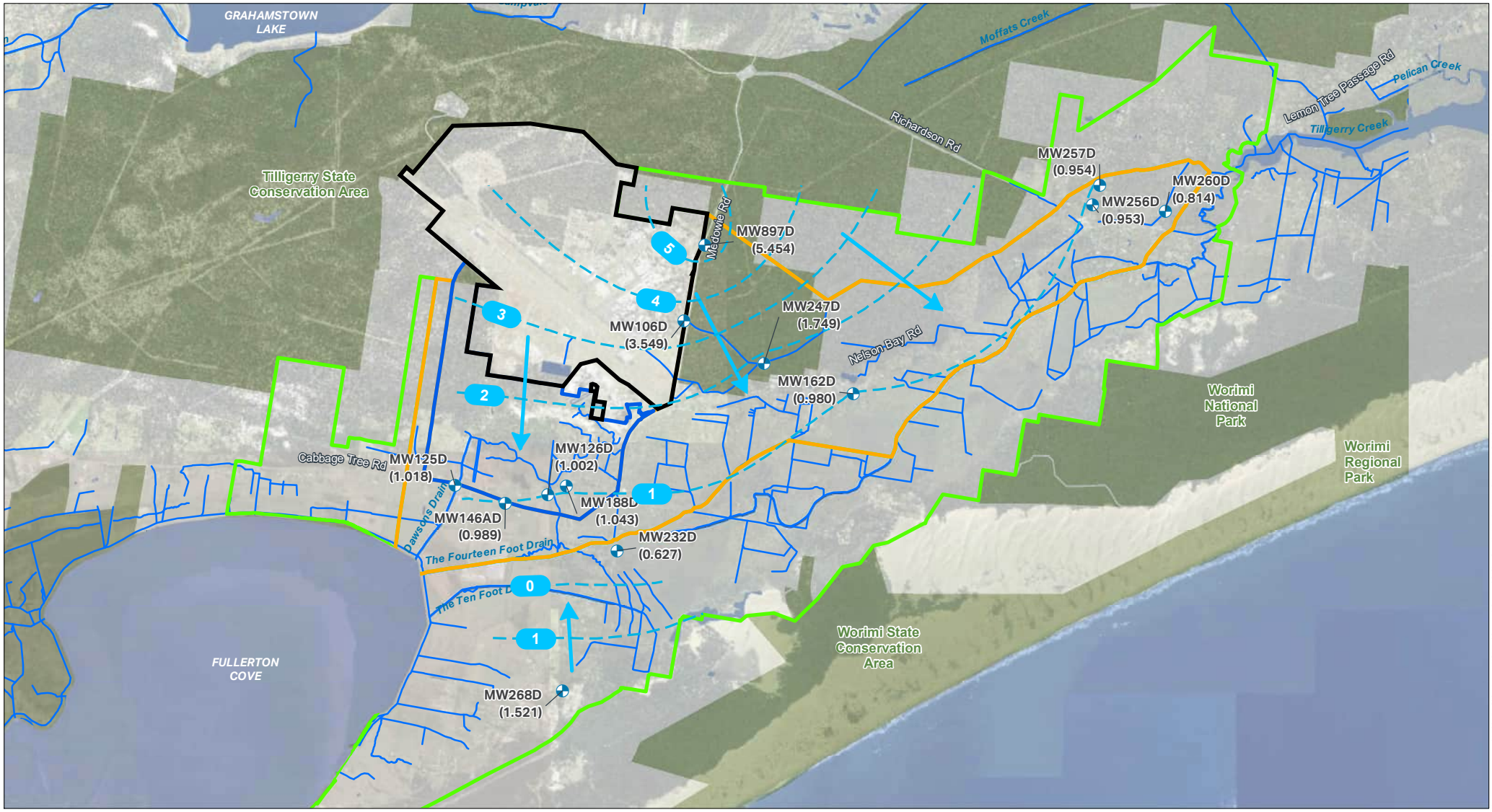

FIGURE F5-2: GROUNDWATER ELEVATION PLAN - DEEP

Legend

- RAAF Base Wiliamtown
- Primary Management Zone
- Secondary Management Zone
- Broader Mangement Zone
- NPWS Reserve
- Waterway
- Groundwater Location (gauged)
- Inferred Groundwater Flow Direction
- Groundwater Elevation Contours (Deep Wells; m AHD)

N

0 0.5 1 km

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Appendix B

Tables

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Gauging (or Visit) Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW106D	MW106_D	4.77	18.5	20	18.50	24/09/2024 16:09	1.270	3.500	19.51	Good condition. Gatic sedimented, cleared. Soft base, potentially sedimented. Hydrasleeve removed, after sampling (close out activity).
MW106D	MW106_D	4.77	18.5	20	n/a	27/09/2024 8:46	1.221	3.549	19.54	Targeted gauging round. Good condition.
MW106S	MW106_S	4.678	3.5	5	3.00	24/09/2024 16:04	1.280	3.398	3.98	Good condition. Potential blockage at 4m. Missing bolts, not replaced due to rusted lugs. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW106S	MW106_S	4.678	3.5	5	n/a	27/09/2024 8:43	1.225	3.453	4.00	Targeted gauging round. Good condition. Potential blockage at 4m. Missing bolts, not replaced due to rusted lugs.
MW107D	MW107_D	3.362	18.5	20	18.50	23/09/2024 10:09	0.205	3.157	19.93	Good condition. Gatic full of sediment. Missing one bolt, not replaced due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW107S	MW107_S	3.322	2	5	3.00	23/09/2024 10:19	0.150	3.172	4.80	Good condition. Rusted lugs, missing one bolt, not replaced due to non-standard bolt size. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW108D	MW108_D	3.08	18.5	20	18.50	24/09/2024 11:26	0.483	2.597	19.56	Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW108S	MW108_S	2.95	2	5	3.00	24/09/2024 11:20	0.390	2.560	4.37	Good condition. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW109D	MW109_D	3.157	18.5	20	18.00	24/09/2024 12:18	0.251	2.906	18.96	Good condition. Soft base, potentially sedimented. Hydrasleeve removed, after sampling (close out activity).
MW122		1.851	5.5	7	6.00	27/09/2024 11:49	1.043	0.808	6.96	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW123		1.524	4.5	6	4.75	27/09/2024 23:45	0.587	0.937	5.93	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW124		2.42	6	7.5	n/a	27/09/2024 10:44	1.074	1.346	7.38	Targeted gauging round. Good condition.
MW125D	MW125_D	2.173	18.5	20	19.25	23/09/2024 13:26	1.353	0.820	20.23	Good condition.Unable to close gatic lid due to PVC/J-cap height. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW125D	MW125_D	2.173	18.5	20	n/a	27/09/2024 10:33	1.155	1.018	20.26	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height.
MW125S	MW125_S	2.197	6	7.5	6.50	23/09/2024 13:31	1.394	0.803	7.48	Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW125S	MW125_S	2.197	6	7.5	n/a	27/09/2024 10:37	1.201	0.996	7.48	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height.
MW126D	MW126_D	1.794	18.5	20	19.50	23/09/2024 12:41	1.044	0.750	20.32	Good condition. Soft base. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW126D	MW126_D	1.794	18.5	20	n/a	27/09/2024 10:12	0.792	1.002	20.31	Targeted gauging round. Good condition.
MW126S	MW126_S	1.79	5.5	7	5.50	23/09/2024 12:51	1.034	0.756	6.58	Good condition. Rusted lugs. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW126S	MW126_S	1.79	5.5	7	n/a	27/09/2024 10:07	0.782	1.008	6.58	Targeted gauging round. Good condition. Rusted lugs.
MW128D	MW128_D	0.843	9.3	10.3	9.50	25/09/2024 12:46	0.258	0.585	10.45	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW128S	MW128_S	0.909	4.7	6.2	5.00	25/09/2024 12:55	1.055	-0.146	6.14	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW130D	MW130_D	5.858	15	16.5	15.00	26/09/2024 9:24	0.451	5.407	16.47	Good condition. Rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW130S	MW130_S	5.794	1	4	2.50	26/09/2024 9:29	0.386	5.408	3.83	Good condition. Rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW132D	MW132_D	6.138	15	16.5	15.00	26/09/2024 10:02	2.351	3.787	16.10	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW132I	MW132_I	6.164	8.4	9.9	8.30	26/09/2024 10:06	2.346	3.818	9.79	Good condition. Rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW139		1.986	1	4	2.50	19/09/2024 13:16	0.337	1.649	3.92	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW146AD	MW146D_A	1.62	18.5	20	19.00	23/09/2024 13:11	0.874	0.746	20.08	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW146AD	MW146D_A	1.62	18.5	20	n/a	27/09/2024 10:24	0.631	0.989	20.09	Targeted gauging round. Good condition.
MW146S	MW146_S	1.802	0.8	3.8	2.00	23/09/2024 13:04	1.025	0.777	3.78	Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW146S	MW146_S	1.802	0.8	3.8	n/a	27/09/2024 10:25	0.799	1.003	3.78	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height.
MW160		4.212	1	4	2.50	26/09/2024 10:38	1.116	3.096	4.02	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW162D	MW162_D	2.876	18.6	20.1	19.25	27/09/2024 11:33	1.896	0.980	20.17	Targeted gauging round. Good condition. Rusted lugs. Hydrasleeve removed (close out activity).
MW162S	MW162_S	2.838	1.5	4.5	2.50	27/09/2024 11:40	1.764	1.074	4.22	Targeted gauging round. Good condition. Soft base. Hydrasleeve removed (close out activity).
MW166		7.1	0.8	3.8	2.50	24/09/2024 10:19	1.100	6.000	3.65	Good condiiton. Missing one bolt, not replaced due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW167		7.19	0.7	3.7	2.50	24/09/2024 10:33	2.080	5.110	4.30	Good condition. Top of Hydrasleeve above water level, DTW measured after removal. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW168		6.78	0.7	3.7	2.50	24/09/2024 10:44	1.238	5.542	3.45	Good condition. Data logger present. Soft base. Unable to replace missing bolts due to rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW169D	MW169_D	5.8	18	19.5	18.50	24/09/2024 11:05	0.818	4.982	19.30	Good condition. Unable to replace bolts due to rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW169S	MW169_S	5.83	0.7	3.7	2.50	24/09/2024 10:59	0.832	4.998	3.70	Good condition. Data logger present. Unable to replace missing bolts due to rusted lugs. Hydrasleeve removed, after sampling (close out activity).
MW172		4.88	0.7	3.7	2.50	24/09/2024 13:45	0.528	4.352	3.33	Good condition. Data logger present. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW175D	MW175_D	4.11	19.5	21	20.25	24/09/2024 11:54	1.311	2.799	21.50	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW178		1.76	1.2	4.2	2.50	23/09/2024 14:09	0.671	1.089	4.19	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW188D	MW188_D	1.354	18.5	20	18.50	27/09/2024 9:54	0.311	1.043	19.97	Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed (close out activity).
MW188S	MW188_S	1.439	0.8	3.8	1.80	27/09/2024 9:47	0.525	0.914	3.80	Targeted gauging round. Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed (close out activity).
MW230S	MW230_S	0.939	2.5	4	3.00	19/09/2024 11:24	0.120	0.819	4.00	Good condition. Flooded above TOC. Missing one bolt, couldn't be replaced due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW231D	MW231_D	0.571	16	17.5	16.00	20/09/2024 13:57	0.140	0.431	17.580	Good condition. Rusted lugs. Erosion next to well. Hydrasleeve removed, after sampling (close out activity).
MW231S	MW231_S	0.625	1	4	2.50	20/09/2024 13:49	0.823	-0.198	4.00	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW232D	MW232_D	1.324	18.5	20	18.50	20/09/2024 14:46	0.834	0.490	21.00	Good condition. Monument lid hinge broken. Hydrasleeve removed, after sampling (close out activity).
MW232D	MW232_D	1.324	18.5	20	n/a	27/09/2024 9:04	0.697	0.627	21.045	Targeted gauging round. Good condition. Monument lid hinge broken.
MW232S	MW232_S	1.148	1	4	2.00	20/09/2024 14:40	0.814	0.334	4.68	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW232S	MW232_S	1.148	1	4	n/a	27/09/2024 9:02	0.652	0.496	4.61	Targeted gauging round. Good condition.
MW238D	MW238_D	2.211	18.5	20	18.50	19/09/2024 10:48	0.790	1.421	20.280	Good condition. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW238S	MW238_S	2.27	1	4	2.50	19/09/2024 10:35	0.852	1.418	4.00	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW240D	MW240_D	5.742	18.5	20	18.75	25/09/2024 9:20	1.207	4.535	20.30	Good condition. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW241D	MW241_D	5.449	18.5	20	18.75	23/09/2024 10:55	1.061	4.388	20.21	Good condition. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW241S	MW241_S	5.559	1	4	2.25	23/09/2024 10:45	1.118	4.441	3.97	Good condition. Missing bolts, replaced. Hydrasleeve removed, after sampling (close out activity).
MW247D	MW247_D	2.529	18.5	20	19.00	23/09/2024 16:05	0.998	1.531	20.28	Good condition. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW247D	MW247_D	2.529	18.5	20	n/a	27/09/2024 11:59	0.780	1.749	20.29	Targeted gauging round. Good condition.
MW247S	MW247_S	2.468	1	4	2.75	23/09/2024 15:50	0.894	1.574	3.86	Good condition. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW247S	MW247_S	2.468	1	4	n/a	27/09/2024 12:04	0.687	1.781	3.87	Targeted gauging round. Good condition.
MW256D	MW256_D	1.534	18.5	20	18.50	27/09/2024 9:28	0.581	0.953	20.29	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW256S	MW256_S	1.518	1	4	3.00	27/09/2024 9:34	0.590	0.928	3.97	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW257D	MW257_D	1.819	18.5	20	18.50	27/09/2024 9:11	0.865	0.954	20.17	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW257S	MW257_S	1.639	1	4	2.50	27/09/2024 9:21	0.768	0.871	3.79	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW260D	MW260_D	2.08	18.5	20	18.75	27/09/2024 10:06	1.266	0.814	20.21	Targeted gauging round. Good condition. Gatic full of sediment and grass roots, cleared as far as possible. Hydrasleeve removed (close out activity).

Table T1 - Groundwater Gauging and Observations

Location Code	Alternative Name	Top of Casing (mAHD)	Top Screen (mbgl)	Bottom Screen (mbgl)	HydraSleeve Collar Depth (mbTOC)	Gauging (or Visit) Date Time	Water Depth (mbTOC)	Water Elevation (mAHD)	Depth to Base of Well (mbTOC)	Visit / Gauging Comment
MW260S	MW260_S	2.124	1	4	2.50	27/09/2024 10:14	1.345	0.779	3.87	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
MW264D	MW264_D	9.347	18.5	20	17.50	27/09/2024 8:20	0.406	8.941	18.57	Good condition. Well potentially blocked at 18.5m. Hydrasleeve removed, after sampling (close out activity).
MW264S	MW264_S	9.492	1	4	1.70	27/09/2024 8:05	0.556	8.936	3.21	Good condition. Soft base, potentially sedimented. Bolts rusted. Hydrasleeve removed, after sampling (close out activity).
MW268D	MW268_D	3.362	18.5	20	n/a	27/09/2024 9:23	1.841	1.521		Targeted gauging round. Good condition. Unable to close gatic lid due to PVC/J-cap height lid. Potential blockage in well at 18.67.
MW268S	MW268_S	3.232	2	5	n/a	27/09/2024 9:26	1.701	1.531	5.01	Targeted gauging round. Good condition. Rusted lugs. Data logger present.
MW270D	MW270_D	1.412	18.5	20	18.50	20/09/2024 12:23	0.544	0.868	20.25	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW270S	MW270_S	1.411	2	4	2.00	20/09/2024 12:31	0.554	0.857	3.83	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW271D	MW271_D	1.308	18.5	20	18.50	19/09/2024 15:36	0.282	1.026	20.27	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW271S	MW271_S	1.316	1	4	2.00	19/09/2024 15:28	0.265	1.051	3.99	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW278D	MW278_D	1.289	18.5	20	18.75	23/09/2024 14:48	0.517	0.772	20.24	Good condition. Flooded above TOC. Hydrasleeve removed, after sampling (close out activity).
MW278S	MW278_S	1.253	1.5	3	1.75	23/09/2024 14:37	0.552	0.701	3.00	Good condition. Missing 2 bolts, couldn't replace due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW279S	MW279_S	1.295	0.8	3.8	2.50	25/09/2024 13:48	0.862	0.433	4.63	Good condition. Monument lid hinge broken. Hydrasleeve removed, after sampling (close out activity).
MW280S	MW280S_LT, MW280_S	3.831	1	4	2.50	23/09/2024 9:53	0.230	3.601	3.86	Good condition. Missing 2 bolts, unable to replace due to non-standard bolt size. Hydrasleeve removed, after sampling (close out activity).
MW281S	MW281_S	5.29	1	4	3.00	25/09/2024 9:53	0.941	4.349	3.99	Good condition.Unable to close gatic lid due to PVC/J-cap height. Hydrasleeve removed, after sampling (close out activity).
MW282S	MW282_S	5.37	1	4	2.50	25/09/2024 9:33	0.800	4.570	3.50	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW315D	MW315_D/MW320D	6.16	18	20	18.75	23/09/2024 11:30	0.819	5.341	20.44	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW315S	MW315_S/MW320S	6.18	1	4	2.50	23/09/2024 11:24	0.847	5.333	3.78	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW329		6.1215	2.4	5.39	3.39	25/09/2024 9:42	1.665	4.457	5.16	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW340D	MW340_D	4.9554	17	20	18.00	25/09/2024 10:44	1.497	3.458	21.23	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW340S	MW340_S	4.96194	2	5	3.00	25/09/2024 10:55	1.522	3.440	5.72	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW342D	MW342_D	4.76384	17	20	18.00	25/09/2024 10:28	1.340	3.424	21.22	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW344D	MW344_D	4.52071	17	20	18.00	25/09/2024 10:13	1.255	3.266	19.96	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW344S	MW344_S	4.77721	2	5	3.00	25/09/2024 10:07	1.516	3.261	5.77	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW354S		4.99285	2	5	3.00	25/09/2024 10:38	1.546	3.447	5.85	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW466	W66	4.32	unknown	unknown	2.00	24/09/2024 12:00	1.730	2.590	3.22	Good condition. Data logger present. Hydrasleeve removed, after sampling (close out activity).
MW468	W68	4.02	unknown	unknown	3.00	24/09/2024 12:10	1.458	2.562	4.05	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW731D	MW731_D	2.19	18.5	20	18.50	23/09/2024 15:10	1.172	1.018	21.10	Good condition. Monument lid hinge broken. Hydrasleeve removed, after sampling (close out activity).
MW731S	MW731_S	2.05	2.5	5.5	4.00	23/09/2024 15:00	1.401	0.649	6.03	Good condition. Hydrasleeve removed, after sampling (close out activity).
MW829	PS9_BORE 30, MW652	unknown	unknown	unknown	n/a	26/09/2024 9:49	1.073	n/a	11.96	Good condition. Soft base. Hydrasleeve removed, after sampling (close out activity).
MW897D		7.34	17	20	18.00	27/09/2024 11:07	1.886	5.454	20.09	Targeted gauging round. Good condition. Well potentially blocked at 20 m. Hydrasleeve removed (close out activity).
MW897S		7.44	3	6	4.00	27/09/2024 11:18	1.990	5.450	7.08	Targeted gauging round. Good condition. Hydrasleeve removed (close out activity).
POT382		n/a	1	4	n/a	20/09/2024 13:23	n/a	n/a	n/a	Bore with pump outlet in working condition.

Notes

mAHD	meters Australian Height Datum
mbgl	meters below ground level
mbTOC	meters below Top of Casing
n/a	Not applicable
-	Not measured

Table T2 - Groundwater Quality Parameters and Observations

			Water Quality Parameters					
			Dissolved Oxygen	Temperature	Electrical Conductivity	pH	Oxidation-Reduction Potential Er	Oxidation-Reduction Potential Eh (Corrected)
Location Code	**Sampled/ Visit Date Time**	**Sample Comment**	mg/L	°C	µS/cm	pH_Units	mV	mV
MW106D	24/09/2024 16:14	Light brown, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.74	20.1	152.1	5.75	98.6	304.4
MW106S	24/09/2024 16:05	Clear, no turbidity, no odour, no sheen. Suspended organics.	1.23	18.4	94.4	5.85	72.3	278.1
MW107D	23/09/2024 10:11	Clear, no turbidity, sulfurous odour, no sheen.	0.88	18.2	161.5	5.34	64.7	270.5
MW107S	23/09/2024 10:20	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.73	14.5	178.1	5.33	46.7	252.5
MW108D	24/09/2024 11:30	Clear, no turbidity, sulfurous odour, no sheen.	1.17	20.1	182.3	6.24	-2.0	203.8
MW108S	24/09/2024 11:23	Clear, no turbidity, sulfurous odour, no sheen.	0.70	18.2	113.9	5.48	42.6	248.4
MW109D	24/09/2024 12:21	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve. Suspended floc.	1.25	20.4	159.6	6.52	3.9	209.7
MW125D	23/09/2024 13:26	Yellow, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.52	20.6	273.4	6.57	-26.2	179.6
MW125S	23/09/2024 13:35	Clear, no turbidity, no odour, no sheen. Suspended solids.	2.19	20.1	446.2	6.09	-7.5	198.3
MW126D	23/09/2024 12:42	Clear, no turbidity, sulfurous odour, no sheen. Sediment at base of Hydrasleeve.	1.29	20.4	234.2	6.47	-18.1	187.7
MW126S	23/09/2024 12:51	Orange, low turbidity, no odour, no sheen. Sediment at base of Hydrasleeve. Suspended floc.	0.59	19.8	194.2	6.43	-8.7	197.1
MW128D	25/09/2024 12:50	Light brown, no turbidity, sulfurous odour, no sheen.	1.33	18.8	1,323.0	7.63	-40.4	165.4
MW128S	25/09/2024 13:00	Light brown, no turbidity, organic odour, no sheen.	5.09	18.5	3,918.0	7.72	-10.7	195.1
MW130D	26/09/2024 9:26	Clear, low turbidity, sulfurous odour, no sheen.	1.58	16.9	131.5	5.04	99.6	305.4
MW130S	26/09/2024 9:33	Clear, no turbidity, sulfurous odour, no sheen.	0.52	15.1	134.2	4.60	122.9	328.7
MW132D	26/09/2024 10:03	Clear, no turbidity, sulfurous odour, no sheen. Organics at base of Hydrasleeve.	1.43	17.5	167.9	5.34	94.8	300.6
MW132I	26/09/2024 10:10	Clear, no turbidity, sulfurous odour, no sheen. Organics at base of Hydrasleeve.	0.80	17.4	125.2	4.84	129.9	335.7
MW139	19/09/2024 13:23	Light brown, low turbidity, no odour, no sheen.	5.05	20.1	244.9	5.12	47.8	253.6
MW146AD	23/09/2024 13:12	Clear, low turbidity, no odour, no sheen.	1.41	20.4	78.5	6.59	7.4	213.2
MW146S	23/09/2024 13:05	Yellow, no turbidity, no odour, no sheen. Ferrous staining on Hydrasleeve.	2.34	20.0	252.7	6.39	27.0	232.8
MW160	26/09/2024 10:40	Light yellow, low turbidity, sulfurous odour, no sheen. Organics at base of Hydrasleeve.	1.26	15.8	292.2	4.82	102.9	308.7
MW166	24/09/2024 10:19	Brown, low turbidity, organic odour, no sheen. Suspended organics.	1.29	18.4	51.1	4.89	222.6	428.4
MW167	24/09/2024 10:38	Clear, no turbidity, organic odour, no sheen.	6.70	19.1	91.7	5.17	217.2	423.0
MW168	24/09/2024 10:46	Brown, no turbidity, no odour, no sheen.	4.54	18.7	43.6	5.53	196.3	402.1
MW169D	24/09/2024 11:06	Light brown, no turbidity, no odour, no sheen.	1.61	21.6	175.9	6.44	-10.7	195.1
MW169S	24/09/2024 11:01	Orange, low turbidity, no odour, no sheen.	2.75	18.9	81.8	5.52	182.6	388.4
MW172	24/09/2024 13:46	Brown, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.49	18.1	267.1	5.24	74.1	279.9
MW175D	24/09/2024 11:56	Clear, no turbidity, organic odour, no sheen.	1.25	22.7	180.5	6.42	-33.3	172.5
MW178	23/09/2024 14:11	Orange, no turbidity, organic odour, no sheen.	1.90	19.0	442.9	5.39	85.7	291.5
MW230S	19/09/2024 11:28	Clear, no turbidity, no odour, no sheen.	4.42	20.6	384.4	6.02	-29.3	176.5
MW231D	20/09/2024 13:59	Grey, medium turbidity, sulfurous odour, no sheen.	1.32	20.2	16,477.0	6.93	-137.7	68.1
MW231S	20/09/2024 13:51	Light yellow, no turbidity, no odour, no sheen.	0.35	20.8	10,308.0	6.94	-82.3	123.5
MW232D	20/09/2024 14:50	Clear, no turbidity, no odour, no sheen.	0.79	19.2	14,721.0	7.38	-113.0	92.8
MW232S	20/09/2024 14:44	Light yellow, no turbidity, no odour, no sheen.	1.33	19.9	1,935.0	7.54	-24.0	181.8
MW238D	19/09/2024 10:50	Light yellow, no turbidity, no odour, no sheen.	0.36	20.8	220.2	6.21	15.2	221.0
MW238S	19/09/2024 10:39	Brown, medium turbidity, no odour, no sheen.	0.41	18.0	1,102.0	6.33	-109.7	96.1
MW240D	25/09/2024 9:23	Clear, no turbidity, no odour, no sheen.	1.53	18.0	63.5	5.47	83.6	289.4
MW241D	23/09/2024 10:56	Clear, no turbidity, sulfurous odour, no sheen.	2.43	20.0	208.2	6.26	-39.9	165.9
MW241S	23/09/2024 10:46	Clear, no turbidity, no odour, no sheen.	2.20	19.7	40.4	5.18	100.8	306.6
MW247D	23/09/2024 16:08	Clear, no turbidity, no odour, no sheen.	1.38	18.5	109.0	5.96	49.9	255.7
MW247S	23/09/2024 15:55	Clear, no turbidity, sulfurous odour, no sheen. Suspended solids.	1.91	18.7	220.7	4.99	92.2	298.0
MW264D	27/09/2024 8:23	Grey, medium turbidity, sulfurous odour, no sheen.	0.46	16.2	236.7	6.43	-25.1	180.7
MW264S	27/09/2024 8:07	Light orange/brown, low turbidity, sulfurous odour.	0.78	15.6	327.9	5.80	50.0	255.8
MW270D	20/09/2024 12:25	Yellow, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.06	21.1	142.5	6.49	-27.5	178.3
MW270S	20/09/2024 12:33	Light yellow, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.07	17.4	590.0	6.53	-58.0	147.8
MW271D	19/09/2024 15:38	Light grey, high turbidity, organic odour, no sheen.	2.49	18.3	189.7	6.39	-46.9	158.9
MW271S	19/09/2024 15:28	Dark grey, medium turbidity, sulfurous odour, no sheen. Suspended solids.	3.82	19.5	429.2	5.49	10.0	215.8
MW278D	23/09/2024 14:50	Yellow, no turbidity, sulfurous odour, no sheen.	1.28	19.9	384.6	6.64	-35.0	170.8
MW278S	23/09/2024 14:40	Brown, no turbidity, no odour, no sheen.	1.50	17.9	223.2	6.52	-21.9	183.9
MW279S	25/09/2024 13:50	Clear, no turbidity, sulfurous odour, no sheen.	1.71	18.2	1,011.0	6.99	-70.5	135.3
MW280S	23/09/2024 9:55	Brown, medium turbidity, sulfurous odour, no sheen.	2.45	16.1	133.6	5.07	92.4	298.2
MW281S	25/09/2024 9:55	Brown, low turbidity, sulfurous odour, no sheen. Suspended floc.	1.18	16.5	194.4	5.09	88.3	294.1
MW282S	25/09/2024 9:35	Clear, no turbidity, sulfurous odour, no sheen. Suspended organics.	1.93	16.6	140.1	4.99	101.7	307.5
MW315D	23/09/2024 11:31	Light yellow, no turbidity, no odour, no sheen.	0.78	18.6	86.7	5.52	61.2	267.0
MW315S	23/09/2024 11:26	Yellow, no turbidity, no odour, no sheen.	2.53	17.0	183.0	4.92	107.7	313.5
MW329	25/09/2024 9:45	Brown, medium turbidity, sulfurous odour, no sheen. Suspended solids.	0.92	16.9	176.7	4.87	112.7	318.5
MW340D	25/09/2024 10:50	Light brown, low turbidity, no odour, no sheen. Suspended organics.	6.45	18.0	94.0	6.27	51.6	257.4
MW340S	25/09/2024 11:00	Clear, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.36	16.3	161.7	4.50	128.6	334.4
MW342D	25/09/2024 10:30	Clear, no turbidity, no odour, no sheen.	4.19	17.8	167.9	6.79	2.9	208.7
MW344D	25/09/2024 10:16	Clear, medium turbidity, sulfurous odour, no sheen. Suspended organics.	1.62	19.7	190.6	6.55	-53.8	152.0
MW344S	25/09/2024 10:10	Clear, low turbidity, sulfurous odour, no sheen. Suspended white organics.	1.26	17.6	76.4	5.04	122.0	327.8

Table T2 - Groundwater Quality Parameters and Observations

			Water Quality Parameters					
			Dissolved Oxygen	Temperature	Electrical Conductivity	pH	Oxidation-Reduction Potential Er	Oxidation-Reduction Potential Eh (Corrected)
Location Code	**Sampled/ Visit Date Time**	**Sample Comment**	mg/L	°C	µS/cm	pH_Units	mV	mV
MW354S	25/09/2024 10:40	Clear, low turbidity, sulfurous odour, no sheen. Suspended organics.	1.70	16.7	138.0	4.95	101.3	307.1
MW466	24/09/2024 12:03	Orange, low turbidity, sulfurous odour, no sheen. Suspended solids.	1.10	20.0	133.2	5.37	59.7	265.5
MW468	24/09/2024 12:12	Orange, low turbidity, sulfurous odour, no sheen. Suspended solids.	1.29	18.1	114.9	5.58	50.1	255.9
MW731D	23/09/2024 15:15	Grey, low turbidity, no odour, no sheen.	1.29	19.2	293.1	6.22	-11.8	194.0
MW731S	23/09/2024 15:05	Clear, no turbidity, no odour, no sheen.	1.47	19.1	169.7	5.76	37.5	243.3
MW829	26/09/2024 9:50	Clear, no turbidity, no odour, no sheen.	5.54	17.1	157.9	5.16	129.3	335.1
POT382	20/09/2024 13:24	Clear, no turbidity, no odour, no sheen.	2.20	22.4	2,208.0	8.02	-158.7	47.1

Notes

Corrected field Oxidation-Reduction Potential measurement Eh = Er + 205.8

mg/L	milligrams per Litre
°C	degrees Celsius
µS/cm	microSiemens per centimetre
mV	milliVolts

Table T3 - Surface Water Quality Parameters and Observations

							Water Quality Parameters					
							Dissolved Oxygen	Temperature	Electrical Conductivity	pH	Oxidation-Reduction Potential Er	Oxidation-Reduction Potential Eh (Corrected)
Location Code	**Alternative Name**	**Sample Date/Time**	**Location Comments**	**Sample Depth From (m)**	**Sample Depth To (m)**	**Sample Comment**	mg/L	°C	µS/cm	pH_Units	mV	mV
SW001	MD1	25/09/2024 8:06	Creek/drain. 5m wide, 0.6m deep. Water flow observed.	0.30	0.40	Orange, no turbidity, organic odour, no sheen. Suspended organics.	5.25	18.2	154.1	5.97	152.7	358.5
SW005	MD5	27/09/2024 10:25	Creek. 5m wide, 0.2m deep. Water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen.	6.08	15.8	537.0	6.22	138.5	344.3
SW006	MD6	25/09/2024 8:30	Creek/drain. 3m wide, 0.3m deep. No water flow observed. Biosheen on water surface.	0.10	0.20	Light yellow, no turbidity, no odour, biosheen. Suspended organics.	4.16	15.8	283.0	7.16	142.9	348.7
SW007	MD7	25/09/2024 8:19	Creek/drain. 4m wide, 0.3m deep. No water flow observed. Biosheen on water surface.	0.10	0.20	Clear, no turbidity, no odour, biosheen.	5.22	16.8	129.5	6.57	151.3	357.1
SW009	MD8	23/09/2024 16:30	Creek. 3m wide, 0.3m deep. Water flow observed.	0.20	0.30	Clear, no turbidity, no odour, no sheen.	6.68	23.6	170.0	6.17	72.9	278.7
SW011	MD10	26/09/2024 12:00	Creek. 1m wide, 0.4m deep. Water flow observed.	0.20	0.30	Clear, low turbidity, organic odour, no sheen.	6.25	15.2	151.8	5.94	71.4	277.2
SW014	MD14	27/09/2024 8:55	Creek. 5m wide, >0.3m deep. Water flow observed.	0.10	0.20	Light yellow, no turbidity, no odour, no sheen.	4.65	15.3	178.5	6.00	77.6	283.4
SW019	TC12	20/09/2024 11:50	Creek. 3m wide, 0.5m deep. Water flow observed.	0.20	0.20	Light brown, no turbidity, no odour, no sheen.	6.87	23.2	1,468.0	7.96	74.0	279.8
SW023	TC6A	27/09/2024 11:15	Creek. 5m wide, >0.3m deep. Water flow observed.	0.10	0.20	Light yellow, no turbidity, no odour, no sheen.	6.48	15.8	1,078.0	7.45	94.7	300.5
SW024	TC7	27/09/2024 10:55	Creek. 6m wide, >0.4m deep. Water flow observed.	0.10	0.20	Light brown, low turbidity, no odour, no sheen.	5.09	16.5	9,297.0	6.76	78.3	284.1
SW047	BD03	24/09/2024 12:55	Drain. 3m wide, 0.4m deep. Water flow observed. Vegetation on water surface (lily pads).	0.20	0.30	Light yellow, no turbidity, organic odour, no sheen.	4.01	23.8	130.1	5.42	172.0	377.8
SW048	BD04	24/09/2024 13:42	Drain. 3m wide, 0.15m deep. No water flow observed.	0.10	0.10	Light brown, no turbidity, no odour, no sheen.	7.18	27.6	98.1	5.88	159.1	364.9
SW055	DD1	24/09/2024 11:35	Drain. 2m wide, 0.3m deep. Water flow observed. Algae on water surface.	0.20	0.20	Light yellow, no turbidity, organic odour, no sheen.	3.48	18.6	112.4	6.10	38.7	244.5
SW059	DD2	23/09/2024 13:55	Creek. 4m wide, 0.5m deep. Water flow observed.	0.20	0.30	Orange, no turbidity, no odour, suspected biosheen. Suspended organics.	5.39	25.8	238.0	6.39	64.8	270.6
SW060	DD3	19/09/2024 17:10	Creek. 2m wide, 0.4m deep. Water flow observed.	0.20	0.20	Brown, no turbidity, no odour, no sheen.	2.05	19.6	173.1	5.69	105.9	311.7
SW062	DD5	20/09/2024 12:50	Creek. 5m wide, 0.5m deep. Water flow observed.	0.30	0.30	Light brown, no turbidity, no odour, no sheen.	5.49	18.4	1,276.0	7.32	29.6	235.4
SW079	TC2	25/09/2024 13:20	Creek. 3m wide, 0.5m deep. Water flow observed. Biosheen on water surface.	0.20	0.30	Light brown, no turbidity, organic odour, biosheen.	1.80	16.9	2,559.0	6.78	-63.0	142.8
SW081	TFD1	20/09/2024 9:03	Creek. 2m wide, 0.5m deep. Water flow observed. Biosheen on water surface.	0.30	0.30	Light brown, no turbidity, organic odour, no sheen.	2.10	21.7	695.0	6.77	54.8	260.6
SW108	LC	24/09/2024 12:35	Lake Cochran. 100m wide, 300m long, >0.5m deep. No water flow observed.	0.30	0.40	Light yellow, no turbidity, no odour, no sheen. Suspended organics.	4.37	25.1	137.6	6.82	24.3	230.1
SW110	LC_B	25/09/2024 11:20	Lake Cochran. 100m wide, 300m long, >0.5m deep. No water flow observed.	0.30	0.40	Clear, no turbidity, no odour, no sheen.	6.68	19.7	119.1	6.56	87.6	293.4
SW259	FCD4	20/09/2024 9:45	Creek. 5m wide, 1m deep. Water flow observed.	0.40	0.50	Light brown, low turbidity, organic odour, no sheen.	3.95	19.9	15,035.0	7.18	61.3	267.1
SW333		19/09/2024 16:30	Creek. 3m wide, 0.5m deep. Water flow observed.	0.30	0.30	Light yellow, no turbidity, no odour, no sheen.	4.32	18.3	192.6	5.97	70.7	276.5
SW582		25/09/2024 15:20	Closed drain (manhole). 1m wide, 4m to SWL, approximately 0.1m depth. Water flow observed.	0.00	0.10	Clear, no turbidity, no odour, no sheen.	4.33	21.5	125.2	5.71	79.3	285.1
SW588		25/09/2024 14:51	Closed drain (stormwater grate). 1.5m long, 1m wide, 0.4m deep. No water flow observed.	0.10	0.20	Clear, no turbidity, no odour, no sheen. Suspended organics.	2.27	20.0	192.6	6.79	-14.8	191.0
SW600		19/09/2024 14:40	Creek. 5m wide, >1m deep. Water flow observed.	0.40	0.50	Light brown, low turbidity, no odour, no sheen.	4.28	23.7	3,382.0	7.37	23.8	229.6

Notes

Corrected field Oxidation-Reduction Potential measurement Eh = Er + 205.8

mg/L	milligrams per Litre
°C	degrees Celsius
µS/cm	microSiemens per centimetre
mV	milliVolts

Table T4 - Sediment Observations

Location Code	Alternative Name	Sampled Date Time	Sample Depth From (m)	Sample Depth To (m)	Sample Comment
SD001	MD1	25/09/2024 8:05	0.00	0.10	Silty SAND: dark grey, fine to medium grain, poorly graded, organic inclusions (leaf litter), saturated. No odour or staining.
SD005	MD5	27/09/2024 10:25	0.10	0.20	SILT: dark brown, low plasticity, with sub-angular gravels, organic inclusions (leaves and twigs). No odour or staining.
SD006	MD6	25/09/2024 8:30	0.00	0.10	SILT: dark brown, low plasticity, minor organic inclusions (rootlets), wet. No odour or staining.
SD007	MD7	25/09/2024 8:15	0.00	0.20	SAND: brown, fine to coarse grain, with organic inclusions (rootlets), moist. No odour, no staining.
SD009	MD8	23/09/2024 16:20	0.20	0.30	SAND: grey, fine to medium grain sands, poorly graded, saturated. No odour, no staining.
SD011	MD10	26/09/2024 12:00	0.10	0.20	SAND: dark grey, medium grain, poorly graded, saturated. No odour, no staining.
SD014	MD14	27/09/2024 8:55	0.10	0.20	SAND: grey, medium grain, poorly graded, organic inclusions (leaf litter), saturated. No odour, no staining.
SD019	TC12	20/09/2024 11:35	0.20	0.30	Silty CLAY: dark grey, medium plasticity, with organic inclusions (rootlets), saturated. No odour, no staining.
SD023	TC6A	27/09/2024 11:15	0.10	0.20	SILT: black, low plasticity, minimal organic inclusions (leaf litter), saturated. Organic odour, no staining.
SD024	TC7	27/09/2024 10:55	0.10	0.20	SAND: dark brown, medium grain, poorly graded, organic inclusion (rootlets), wet. No odour or staining.
SD047	BD03	24/09/2024 12:40	0.00	0.10	SAND: grey, medium grain, poorly graded, saturated. No odour or staining.
SD048	BD04	24/09/2024 13:35	0.00	0.10	SAND: grey/brown, medium grain, poorly graded, saturated. No odour or staining.
SD055	DD1	24/09/2024 11:40	0.20	0.30	Gravelly SAND: dark grey, medium grain, poorly graded, coarse and angular gravels, trace silt, saturated. No odour or staining.
SD059	DD2	23/09/2024 13:50	0.20	0.20	Silty SAND: grey to black, medium to coarse grain, trace silt and organic matter (roots), saturated. No odour or staining.
SD060	DD3	19/09/2024 16:55	0.20	0.30	Sandy SILT: dark brown, low plasticity, fine grain sand, with organic inclusions (rootlets), saturated. Organic odour, no staining
SD062	DD5	20/09/2024 13:05	0.00	0.10	Silty SAND: Yellow/brown, medium to coarse grain, with organic inclusions (twigs/leaves), saturated. No odour, no staining.
SD079	TC2	25/09/2024 13:16	0.00	0.20	Silty CLAY: brown, medium plasticity, with fine grain sands, organic inclusions (rootlets), moist. No odour or staining.
SD081	TFD1	20/09/2024 9:15	0.20	0.30	SILT: dark brown to black, no plasticity, with fine grain sand, with organic inclusions (roots and reeds), saturated. Sulfurous odour, no staining
SD108	LC	25/09/2024 11:35	0.10	0.20	SAND: white and grey, medium to coarse grain, poorly graded, trace silt, saturated. No odour or staining.
SD110	LC_B	25/09/2024 11:25	0.10	0.20	SILT: dark brown, low plasticity, trace sands, organic inclusions (rootlets and leaf litter), saturated. No odour, no staining.
SD254	FC1A	20/09/2024 10:17	0.10	0.20	SAND: light brown, medium to coarse grain, with shell fragments, trace organic inclusions (rootlets), saturated. No odour, no staining.
SD255	FC1B	20/09/2024 10:10	0.20	0.30	Sandy CLAY: brown, medium plasticity, fine grain sand, with organic inclusions (roots), trace shell fragments, moist. No odour, no staining. Significant bank erosion near sampling point.
SD259	FCD4	20/09/2024 9:45	0.20	0.20	Sandy CLAY: brown, medium plasticity, medium grain sand, saturated. No odour, no staining.
SD326	FC1C	20/09/2024 10:04	0.20	0.30	Sandy CLAY: brown, medium plasticity, fine grain sand, with organic inclusions (roots), moist. No odour, no staining. Significant bank erosion near sampling point.
SD333		19/09/2024 16:15	0.20	0.30	Silty CLAY: dark brown, medium plasticity, with organic inclusions (rootlets). Organic odour, no staining.
SD600		19/09/2024 14:36	0.20	0.30	Sandy SILT: brown to grey, medium plasticity, fine grain sand, with organic inclusions (rootlets), saturated. Organic odour, no staining.

Table T5 - Groundwater Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water	**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water	**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																													

Location Code	Date	Field ID	Sample Type	Lab Report #																												
MW106D	24 Sep 2024	0908_MW106D_240924	Normal	ES2431761	<0.01	*0.18*	0.09	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	24 Sep 2024	0908_MW106S_240924	Normal	ES2431761	<0.01	*0.14*	0.05	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Sep 2024	0908_MW107D_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Sep 2024	0908_MW107S_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	24 Sep 2024	0908_MW108D_240924	Normal	ES2431761	0.02	*0.02*	1.40	**1.42**	1.77	0.06	0.10	<0.02	<0.02	<0.1	0.02	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	24 Sep 2024	0908_MW108S_240924	Normal	ES2431761	0.02	*2.69*	0.26	**2.95**	3.17	<0.02	<0.02	0.05	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	24 Sep 2024	0908_MW109D_240924	Normal	ES2431761	0.10	*7.16*	1.22	**8.38**	9.20	0.06	0.08	0.08	<0.02	<0.1	0.10	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	23 Sep 2024	0908_MW125D_240923	Normal	ES2431761	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	23 Sep 2024	0908_MW125S_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	23 Sep 2024	0908_MW126D_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	23 Sep 2024	0908_MW126S_240923	Normal	ES2431761	0.28	*4.74*	5.56	**10.3**	13.9	0.45	0.52	0.60	<0.02	0.1	0.18	1.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	25 Sep 2024	0908_MW128D_240925	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	25 Sep 2024	0908_MW128S_240925	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	26 Sep 2024	0908_MW130D_240926	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	26 Sep 2024	0908_MW130S_240926	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	26 Sep 2024	0908_MW132D_240926	Normal	ES2431761	0.01	*1.07*	0.26	**1.33**	1.42	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	26 Sep 2024	0908_MW132I_240926	Normal	ES2431761	<0.01	*0.22*	0.04	**0.26**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	19 Sep 2024	0908_MW139_240919	Normal	ES2430942	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	23 Sep 2024	0908_MW146AD_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	23 Sep 2024	0908_MW146S_240923	Normal	ES2431761	<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	26 Sep 2024	0908_MW160_240926	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	24 Sep 2024	0908_MW166_240924	Normal	ES2431761	0.02	*12.2*	0.21	**12.4**	12.5	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	24 Sep 2024	0908_MW167_240924	Normal	ES2431761	0.10	*24.5*	0.91	**25.4**	25.8	<0.02	0.04	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	24 Sep 2024	0908_MW168_240924	Normal	ES2431761	**1.97**	*1.98*	2.88	**4.86**	9.00	0.02	0.05	1.20	0.19	<0.1	0.06	0.27	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_MW169D_240924	Normal	ES2431761	<0.01	*0.08*	0.10	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_QC108_240924	Field_D	ES2431761	<0.01	*0.07*	0.09	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_QC208_240924	Interlab_D	362851	<0.01	*0.08*	0.1	**0.18**	0.20	<0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169S	24 Sep 2024	0908_MW169S_240924	Normal	ES2431761	<0.01	*0.07*	0.09	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2024	0908_MW172_240924	Normal	ES2431761	0.08	*0.03*	4.28	**4.31**	5.27	0.25	0.45	<0.02	<0.02	<0.1	0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	24 Sep 2024	0908_MW175D_240924	Normal	ES2431761	0.11	*4.68*	1.12	**5.8**	6.73	0.07	0.10	0.06	<0.02	<0.1	0.11	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	23 Sep 2024	0908_MW178_240923	Normal	ES2431761	<0.01	*0.05*	0.22	**0.27**	0.41	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	19 Sep 2024	0908_MW230S_230919	Normal	ES2430939	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	20 Sep 2024	0908_MW231D_240920	Normal	ES2430951	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	20 Sep 2024	0908_MW231S_240920	Normal	ES2430951	<0.01	*0.02*	<0.01	0.02	0.99	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.88	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	20 Sep 2024	0908_MW232D_240920	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	20 Sep 2024	0908_MW232S_240920	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	19 Sep 2024	0908_MW238D_240919	Normal	ES2430937	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	19 Sep 2024	0908_MW238S_240919	Normal	ES2430937	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	25 Sep 2024	0908_MW240D_240925	Normal	ES2431761	0.01	<0.01	0.15	**0.15**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_MW241D_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_QC106_240923	Field_D	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_QC206_240923	Interlab_D	362851	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW241S	23 Sep 2024	0908_MW241S_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_MW247D_240923	Normal	ES2431761	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_QC107_240923	Field_D	ES2431761	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_QC207_240923	Interlab_D	362851	<0.01	*0.06*	0.04	**0.1**	0.10	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW247S	23 Sep 2024	0908_MW247S_240923	Normal	ES2431761	<0.01	*0.06*	0.11	**0.17**	0.23	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_MW264D_240927	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_QC112_240927	Field_D	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_QC212_240927	Interlab_D	362851	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW264S	27 Sep 2024	0908_MW264S_240927	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_QC111_240927	Field_D	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_QC211_240927	Interlab_D	362851	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW270D	20 Sep 2024	0908_MW270D_240920	Normal	ES2430950	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	20 Sep 2024	0908_MW270S_240920	Normal	ES2430950	0.04	*0.03*	0.07	**0.1**	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	0.11	0.11	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	19 Sep 2024	0908_MW271D_240919	Normal	ES2430944	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	19 Sep 2024	0908_MW271S_240919	Normal	ES2430944	<0.01	<0.01	0.03	0.03	0.19	0.06	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	23 Sep 2024	0908_MW278D_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	23 Sep 2024	0908_MW278S_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T5 - Groundwater Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water	**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water	**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																												

Location Code	Date	Field ID	Sample Type	Lab Report #																												
MW279S	25 Sep 2024	0908_MW279S_240925	Normal	ES2431761	0.03	*0.30*	1.11	**1.41**	1.90	0.07	0.09	<0.02	<0.02	<0.1	0.03	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Sep 2024	0908_MW280S_240923	Normal	ES2431761	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	25 Sep 2024	0908_MW281S_240925	Normal	ES2431761	**1.43**	*109*	4.07	**113**	119	0.29	0.29	2.32	<0.02	0.1	0.22	0.92	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	25 Sep 2024	0908_MW282S_240925	Normal	ES2431761	0.10	*0.51*	2.19	**2.7**	3.67	0.11	0.13	0.10	<0.02	<0.1	0.06	0.37	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	23 Sep 2024	0908_MW315D_240923	Normal	ES2431761	<0.01	<0.01	0.20	**0.2**	0.34	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Sep 2024	0908_MW315S_240923	Normal	ES2431761	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	25 Sep 2024	0908_MW329_240925	Normal	ES2431761	**0.67**	*43.5*	3.84	**47.3**	51.1	0.19	0.24	1.92	<0.02	<0.1	0.10	0.52	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_MW340D_240925	Normal	ES2431761	0.04	*0.10*	0.46	**0.56**	0.97	0.09	0.08	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_QC110_240925	Field_D	ES2431761	0.04	*0.11*	0.43	**0.54**	0.96	0.09	0.09	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_QC210_240925	Interlab_D	362851	0.04	*0.1*	0.48	**0.57**	0.96	0.10	0.09	<0.01	<0.02	<0.02	0.02	0.12	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW340S	25 Sep 2024	0908_MW340S_240925	Normal	ES2431761	<0.01	*0.02*	0.36	**0.38**	0.74	0.05	0.12	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	25 Sep 2024	0908_MW342D_240925	Normal	ES2431761	<0.01	*0.17*	0.20	**0.37**	0.46	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	25 Sep 2024	0908_MW344D_240925	Normal	ES2431761	0.03	*0.08*	0.65	**0.73**	0.91	0.05	0.04	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_MW344S_240925	Normal	ES2431761	0.01	*0.62*	0.16	**0.78**	0.99	0.05	0.03	<0.02	<0.02	<0.1	0.04	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_QC109_240925	Field_D	ES2431761	0.01	*0.54*	0.13	**0.67**	0.87	0.04	0.04	<0.02	<0.02	<0.1	0.04	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_QC209_240925	Interlab_D	362851	0.01	*0.53*	0.15	**0.68**	0.89	0.04	0.04	0.01	<0.02	<0.02	0.03	0.06	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW354S	25 Sep 2024	0908_MW354S_240925	Normal	ES2431761	**1.72**	*27.6*	14.5	**42.1**	50.9	0.44	0.80	3.10	<0.02	0.2	0.28	1.75	0.42	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Sep 2024	0908_MW466_240924	Normal	ES2431761	0.18	*5.51*	1.29	**6.8**	7.70	0.07	0.07	0.15	<0.02	<0.1	0.08	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Sep 2024	0908_MW468_240924	Normal	ES2431761	0.27	*12.4*	3.34	**15.7**	17.6	0.14	0.17	0.28	0.05	<0.1	0.17	0.54	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	23 Sep 2024	0908_MW731D_240923	Normal	ES2431761	**0.61**	*16.2*	7.28	**23.5**	29.2	0.79	0.76	0.98	<0.02	0.2	0.25	1.40	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	23 Sep 2024	0908_MW731S_240923	Normal	ES2431761	**0.90**	*20.5*	6.34	**26.8**	33.1	0.62	0.63	0.71	0.04	0.3	0.41	1.82	0.36	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	26 Sep 2024	0908_MW829_240926	Normal	ES2431761	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	20 Sep 2024	0908_POT382_240920	Normal	ES2430951	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Table T6 - Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																															
SW001	25 Sep 2024	0908_SW001_240925	Normal	ES2431762		0.03	*1.9*	0.4	**2.3**	2.46	<0.02	<0.02	0.03	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	27 Sep 2024	0908_SW005_240927	Normal	ES2431762		0.02	*0.54*	0.22	0.76	0.82	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	25 Sep 2024	0908_SW006_240925	Normal	ES2431762		0.03	*1.27*	0.63	1.9	2.21	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Sep 2024	0908_SW007_240925	Normal	ES2431762		0.05	*4.85*	0.7	**5.55**	5.85	<0.02	0.03	0.04	<0.02	<0.1	0.04	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Sep 2024	0908_QC104_240923	Field_D	ES2431762		0.05	*1.46*	0.61	**2.07**	2.39	0.03	0.04	0.07	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Sep 2024	0908_QC204_240923	Interlab_D	362851		0.04	*1.5*	0.62	**2.1**	2.4	0.03	0.04	0.08	<0.02	<0.02	0.02	0.08	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	23 Sep 2024	0908_SW009_240923	Normal	ES2431762		0.04	*1.56*	0.58	**2.14**	2.40	0.02	0.04	0.04	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	26 Sep 2024	0908_SW011_240926	Normal	ES2431762		0.03	*1.4*	0.44	1.84	2.01	<0.02	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	27 Sep 2024	0908_SW014_240927	Normal	ES2431762		0.02	*0.6*	0.23	0.83	0.91	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	20 Sep 2024	0908_SW019_240920	Normal	ES2430949		<0.01	*0.14*	0.13	0.27	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	27 Sep 2024	0908_SW023_240927	Normal	ES2431762		<0.01	*0.18*	0.07	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	27 Sep 2024	0908_SW024_240927	Normal	ES2431762		<0.01	*0.05*	0.05	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Sep 2024	0908_SW047_240924	Normal	ES2431762		0.08	*4.28*	0.88	**5.16**	5.78	0.04	0.05	0.06	<0.02	<0.1	0.06	0.19	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	0.06	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	24 Sep 2024	0908_SW048_240924	Normal	ES2431762		0.08	*0.88*	0.9	1.78	2.34	0.06	0.08	0.08	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	24 Sep 2024	0908_SW055_240924	Normal	ES2431762		0.07	*0.76*	1.18	1.94	2.56	0.09	0.11	0.04	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Sep 2024	0908_QC103_240923	Field_D	ES2431762		0.11	*1.51*	1.56	**3.07**	4.04	0.13	0.18	0.11	<0.02	<0.1	0.06	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Sep 2024	0908_QC203_240923	Interlab_D	362851		0.10	*1.5*	1.7	**3.3**	4.1	0.15	0.16	0.13	<0.02	<0.02	0.05	0.24	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW059	23 Sep 2024	0908_SW059_240923	Normal	ES2431762		0.10	*1.7*	1.5	**3.2**	4.03	0.10	0.12	0.07	<0.02	<0.1	0.06	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Sep 2024	0908_QC101_240919	Field_D	ES2431762		0.85	*17.8*	9.12	**26.9**	34.3	0.79	1.31	0.92	<0.02	0.3	0.42	2.16	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Sep 2024	0908_QC201_240919	Interlab_D	362851		0.78	*21*	11	**32**	39	0.82	1.1	1.1	<0.02	0.22	0.40	1.9	0.35	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW060	19 Sep 2024	0908_SW060_240919	Normal	ES2431762		0.76	*17.8*	8.1	**25.9**	32.4	0.63	0.84	0.63	<0.02	0.3	0.49	2.25	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	20 Sep 2024	0908_SW062_240920	Normal	ES2431762		0.03	*0.6*	0.51	1.11	1.38	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	25 Sep 2024	0908_SW079_240925	Normal	ES2431762		<0.01	*0.15*	0.28	0.43	0.57	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	20 Sep 2024	0908_SW081_240920	Normal	ES2431762		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	24 Sep 2024	0908_SW108_240924	Normal	ES2431762		0.11	*7.44*	0.96	**8.4**	9.57	0.04	0.05	0.06	<0.02	<0.1	0.12	0.33	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	25 Sep 2024	0908_SW110_240925	Normal	ES2431762		0.10	*5.84*	0.95	**6.79**	7.92	0.04	0.06	0.06	<0.02	<0.1	0.12	0.30	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.34	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	20 Sep 2024	0908_SW259_240920	Normal	ES2430947		0.06	*1.04*	0.64	1.68	2.20	0.06	0.10	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	19 Sep 2024	0908_SW333_240919	Normal	ES2430946		0.07	*0.81*	0.94	1.75	2.94	0.08	0.12	0.09	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.49	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	25 Sep 2024	0908_SW582_240925	Normal	ES2431762		0.08	*4.04*	0.79	**4.83**	5.32	0.04	0.05	0.09	<0.02	<0.1	0.04	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	25 Sep 2024	0908_SW588_240925	Normal	ES2431762		0.03	*1.81*	0.41	**2.22**	2.44	0.02	0.03	0.04	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	19 Sep 2024	0908_SW600_240919	Normal	ES2430943		0.09	*1.76*	1.01	**2.77**	3.62	0.10	0.16	0.11	<0.02	<0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Table T7 - Sediment Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Lab Report #**																														
SD001	25 Sep 2024	0908_SD001_240925	Normal	ES2431762	0.0004	0.133	0.0149	0.148	0.155	0.0004	0.0005	0.0028	<0.0002	<0.001	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	27 Sep 2024	0908_SD005_240927	Normal	ES2431762	<0.0002	0.0083	0.0006	0.0089	0.0089	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005
SD006	25 Sep 2024	0908_SD006_240925	Normal	ES2431762	0.0006	0.532	0.0199	0.552	0.579	0.0005	0.0004	0.0028	0.0076	<0.001	0.0024	0.0018	0.0004	<0.0002	0.0007	0.0012	0.0040	0.0011	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	25 Sep 2024	0908_SD007_240925	Normal	ES2431762	<0.0002	0.0417	0.0015	0.0432	0.0437	<0.0002	<0.0002	0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005
SD009	23 Sep 2024	0908_QC105_240923	Field_D	ES2431762	<0.0002	0.0099	0.0005	0.0104	0.0104	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD009	23 Sep 2024	0908_QC205_240923	Interlab_D	362851	<0.0001	0.0066	0.0005	0.0071	0.0071	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.002	<0.0005	<0.005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD009	23 Sep 2024	0908_SD009_240923	Normal	ES2431762	<0.0002	0.0082	0.0005	0.0087	0.0087	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD011	26 Sep 2024	0908_SD011_240926	Normal	ES2431762	<0.0002	0.0300	0.0009	0.0309	0.0311	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD014	27 Sep 2024	0908_SD014_240927	Normal	ES2431762	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD019	20 Sep 2024	0908_SD019_240920	Normal	ES2430949	<0.0002	0.0056	0.0008	0.0064	0.0074	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD023	27 Sep 2024	0908_SD023_240927	Normal	ES2431762	<0.0002	0.0013	<0.0002	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD024	27 Sep 2024	0908_SD024_240927	Normal	ES2431762	0.0003	0.0103	0.0005	0.0108	0.0111	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD047	24 Sep 2024	0908_SD047_240924	Normal	ES2431762	0.0004	0.0685	0.0057	0.0742	0.0759	<0.0002	<0.0002	0.0006	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD048	24 Sep 2024	0908_SD048_240924	Normal	ES2431762	<0.0002	0.0040	0.0015	0.0055	0.0055	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD055	24 Sep 2024	0908_SD055_240924	Normal	ES2431762	<0.0002	0.0028	0.0005	0.0033	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD059	23 Sep 2024	0908_QC102_240923	Field_D	ES2431762	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD059	23 Sep 2024	0908_QC202_240923	Interlab_D	362851	<0.0001	0.0010	0.0002	0.0013	0.0013	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD059	23 Sep 2024	0908_SD059_240923	Normal	ES2431762	<0.0002	0.0011	<0.0002	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD060	19 Sep 2024	0908_QC100_240919	Field_D	ES2431762	0.0009	0.164	0.0258	0.190	0.200	0.0012	0.0018	0.0043	<0.0002	<0.001	0.0003	0.0014	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD060	19 Sep 2024	0908_QC200_240919	Interlab_D	362851	0.0009	0.16	0.022	0.18	0.19	0.0012	0.0016	0.0053	<0.0002	<0.0002	0.0003	0.0013	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD060	19 Sep 2024	0908_SD060_240919	Normal	ES2431762	0.0012	0.205	0.0213	0.226	0.240	0.0012	0.0018	0.0076	<0.0002	<0.001	<0.0002	0.0011	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD062	20 Sep 2024	0908_SD062_240920	Normal	ES2431762	<0.0002	0.0026	0.0003	0.0029	0.0029	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD079	25 Sep 2024	0908_SD079_240925	Normal	ES2431762	<0.0002	0.0182	0.0021	0.0203	0.0205	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0005
SD081	20 Sep 2024	0908_SD081_240920	Normal	ES2431762	<0.0002	0.0137	0.0022	0.0159	0.0159	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD108	25 Sep 2024	0908_SD108_240925	Normal	ES2431762	<0.0002	0.0698	0.0016	0.0714	0.0905	<0.0002	<0.0002	0.0003	0.0110	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0076	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	25 Sep 2024	0908_SD110_240925	Normal	ES2431762	0.0014	0.427	0.0106	0.438	0.651	<0.0002	0.0003	0.0021	0.0043	<0.001	0.0004	0.0013	0.0005	<0.0002	<0.0002	<0.0002	0.0004	0.0009	0.0016	<0.0005	0.0014	<0.0005	<0.0005	0.199	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	20 Sep 2024	0908_SD254_240920	Normal	ES2430947	<0.0002	0.0078	<0.0002	0.0078	0.0078	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	20 Sep 2024	0908_SD255_240920	Normal	ES2430947	0.0005	0.0366	0.0014	0.0380	0.0388	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	20 Sep 2024	0908_SD259_240920	Normal	ES2430947	<0.0002	0.0318	0.0217	0.0535	0.0559	<0.0002	0.0004	0.0020	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	20 Sep 2024	0908_SD326_240920	Normal	ES2430947	0.0004	0.0233	0.0016	0.0249	0.0258	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD333	19 Sep 2024	0908_SD333_240919	Normal	ES2430946	<0.0002	0.0167	0.0019	0.0186	0.0251	<0.0002	<0.0002	<0.0002	0.0054	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	19 Sep 2024	0908_SD600_240919	Normal	ES2430943	0.0006	0.0973	0.0056	0.103	0.109	0.0003	0.0003	0.0010	0.0030	<0.001	0.0003	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW104D	11 Nov 2014	MW104_D_11112014	Normal	Risk Zone A	NSW_0908_PFAS		**2.6**	*70*	20	**90**	-	2.3	-	-	<0.01	-	1.2	5.6	0.94	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	Risk Zone A	NSW_0908_PFAS		**4.75**	*103*	33.8	**136.8**	167	4.5	4.13	3.78	<0.02	1.3	1.37	9.02	1.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	15 Feb 2017	MW104D_GW_15022017	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**137**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	Risk Zone A	NSW_0908_PFAS		**2.3**	*101*	17.6	**118.6**	134	1.62	1.93	3.44	<0.02	0.5	0.67	4.7	0.79	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	21 Jun 2019	0908_MW104D_190621	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**119**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104D	27 May 2020	0908_MW104D_200527	Normal	Risk Zone A	NSW_0908_PFASOMP		**1.44**	*58.8*	13.7	**72.5**	84.2	1.21	1.72	2.10	0.06	0.4	0.53	3.72	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	13 May 2021	0908_MW104D_210513	Normal	Risk Zone A	NSW_0908_PFASOMP		**0.84**	*31.2*	7.97	**39.2**	46.0	0.68	0.99	1.21	<0.02	0.1	0.38	2.32	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	17 May 2022	0908_MW104D_220517	Normal	Risk Zone A	NSW_0908_PFASOMP		**0.88**	*44.3*	8	**52.3**	59.6	0.60	0.97	1.10	0.04	0.3	0.47	2.48	0.45	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	17 May 2023	0908_MW104D_230517	Normal	Risk Zone A	NSW_0908_PFASOMP_23		0.56	*37.3*	4.96	**42.3**	46.3	0.28	0.43	0.88	0.03	0.2	0.24	1.22	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104D	24 Apr 2024	0908_MW104D_240424	Normal	Risk Zone A	NSW_0908_PFASOMP_24		**0.66**	*36.4*	5.58	**42**	47.7	0.41	0.63	1.05	0.05	0.2	0.23	1.65	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	11 Nov 2014	MW104_S_11112014	Normal	Risk Zone A	NSW_0908_PFAS		0.02	*0.51*	0.6	**1.11**	-	0.07	-	-	<0.01	-	<0.01	0.1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104S	11 Nov 2014	QC106_GW_11112014	Field_D	Risk Zone A	NSW_0908_PFAS		0.06	*0.94*	1.3	**2.24**	-	0.11	-	-	<0.01	-	<0.01	0.22	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	Risk Zone A	NSW_0908_PFAS		0.47	*6.66*	5.26	**11.9**	15.2	0.62	0.57	0.45	<0.02	<0.1	0.15	0.88	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	15 Feb 2017	MW104S_GW_15022017	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**11.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	Risk Zone A	NSW_0908_PFAS		0.32	*19.6*	2.71	**22.3**	24.6	0.21	0.29	0.35	<0.02	<0.1	0.17	0.87	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	21 Jun 2019	0908_MW104S_190621	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**22.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW104S	27 May 2020	0908_MW104S_200527	Normal	Risk Zone A	NSW_0908_PFASOMP		0.35	*25.6*	3.51	**29.1**	32.0	0.24	0.35	0.44	<0.02	0.1	0.20	1.05	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	13 May 2021	0908_MW104S_210513	Normal	Risk Zone A	NSW_0908_PFASOMP		0.19	*6.43*	2.14	**8.57**	10.0	0.18	0.24	0.20	<0.02	<0.1	0.09	0.47	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	17 May 2022	0908_MW104S_220517	Normal	Risk Zone A	NSW_0908_PFASOMP		0.07	*4.76*	0.85	**5.61**	6.09	0.06	0.09	0.07	<0.02	<0.1	0.02	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	17 May 2023	0908_MW104S_230517	Normal	Risk Zone A	NSW_0908_PFASOMP_23		0.04	*2.25*	0.92	**3.17**	3.60	0.06	0.09	0.04	<0.02	<0.1	0.04	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW104S	24 Apr 2024	0908_MW104S_240424	Normal	Risk Zone A	NSW_0908_PFASOMP_24		0.38	*3.65*	7.06	**10.7**	14.6	0.35	0.68	0.32	<0.02	0.2	0.31	1.31	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	10 Nov 2014	MW106D_10112014	Normal	-	NSW_0908_PFAS		<0.01	*0.14*	2.1	**2.24**	-	0.18	-	-	<0.01	-	<0.01	0.49	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106D	19 Jan 2016	MW106D_19012016	Normal	-	NSW_0908_PFAS		**0.66**	<0.01	3.89	**3.89**	-	0.21	-	-	<0.02	-	-	0.48	0.07	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW106D	25 Aug 2016	MW106D_250816	Normal	-	NSW_0908_PFAS		0.14	*0.77*	1.2	**1.97**	-	0.03	-	-	<0.01	<0.05	0.01	0.18	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106D	17 Oct 2016	MW106D_171016	Normal	-	NSW_0908_PFAS		0.1	*0.36*	0.84	**1.2**	-	0.04	-	-	<0.01	<0.05	0.02	0.14	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	19 Jan 2017	MW106D_1901117	Normal	-	NSW_0908_PFAS		0.13	*0.82*	0.75	**1.57**	-	0.03	-	-	<0.01	<0.05	0.01	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	19 Jan 2017	MW106D_190117	Normal	-	ACTNSW_Hist_202012-3		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106D	20 Jan 2017	MW106D_GW_170120	Normal	-	NSW_0908_PFAS		0.16	*0.7*	1.8	**2.5**	3.19	0.05	0.05	0.3	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	09 May 2017	MW106D_090517	Normal	-	ACTNSW_Hist_202012-3		0.22	*0.65*	1.1	**1.75**	-	0.04	0.04	0.37	<0.01	<0.05	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05
MW106D	03 Apr 2018	MW106D_GW_03042018	Normal	-	NSW_0908_PFAS		0.02	*0.1*	0.41	**0.51**	0.58	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	21 Nov 2018	0908_MW106D_181121	Normal	-	NSW_0908_PFAS		0.05	*1.3*	0.74	**2.04**	2.54	0.05	0.04	0.26	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	28 May 2019	0908_MW106D_190528	Normal	-	NSW_0908_PFAS		0.02	*0.24*	0.34	**0.58**	0.63	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	04 Nov 2019	0908_MW106D_191104	Normal	-	NSW_0908_PFASOMP		0.08	*2.22*	1.35	**3.57**	4.28	0.04	0.03	0.45	<0.02	<0.1	<0.02	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	19 May 2020	0908_MW106D_200519	Normal	-	NSW_0908_PFASOMP		0.02	*0.49*	0.31	**0.8**	0.93	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	17 Nov 2020	0908_MW106_D_201117	Normal	-	NSW_0908_PFASOMP		0.05	*1.93*	0.42	**2.35**	2.80	<0.02	<0.02	0.36	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	14 May 2021	0908_MW106D_210514	Normal	-	NSW_0908_PFASOMP		0.03	*1.23*	0.77	**2**	2.60	0.11	0.08	0.09	<0.02	<0.1	0.04	0.23	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 Nov 2021	0908_MW106D_211108	Normal	-	NSW_0908_PFASOMP		0.02	*0.22*	0.3	**0.52**	0.60	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	24 May 2022	0908_MW106D_220524	Normal	-	NSW_0908_PFASOMP		0.14	*1.64*	2.57	**4.21**	5.62	0.23	0.24	0.20	<0.02	<0.1	0.07	0.46	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 Nov 2022	0908_MW106D_221108	Normal	-	NSW_0908_PFASOMP		0.03	*0.48*	0.78	**1.26**	1.52	0.05	0.05	0.03	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	08 May 2023	0908_MW106D_230508	Normal	-	NSW_0908_PFASOMP_23		0.08	*1.21*	1.52	**2.73**	3.54	0.14	0.12	0.10	<0.02	<0.1	0.06	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	23 Nov 2023	0908_MW106D_231123	Normal	-	NSW_0908_PFASOMP_23		0.03	*0.39*	0.62	**1.01**	1.23	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	19 Apr 2024	0908_MW106D_240419	Normal	-	NSW_0908_PFASOMP_24		0.06	*0.84*	1.51	**2.35**	2.95	0.08	0.11	0.07	<0.02	<0.1	0.03	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106D	24 Sep 2024	0908_MW106D_240924	Normal	-	NSW_0908_PFASOMP_24		<0.01	*0.18*	0.09	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	10 Nov 2014	MW106S_10112014	Normal	-	NSW_0908_PFAS		<0.01	*0.08*	0.27	**0.35**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106S	19 Jan 2016	MW106S_19012016	Normal	-	NSW_0908_PFAS		0.02	*0.06*	0.27	**0.33**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW106S	25 Aug 2016	MW106S_250816	Normal	-	NSW_0908_PFAS		<0.01	*0.04*	0.08	**0.12**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW106S	17 Oct 2016	MW106S_171016	Normal	-	NSW_0908_PFAS		<0.01	*0.08*	0.17	**0.25**	-	0.01	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	MW106S_1901117	Normal	-	NSW_0908_PFAS		<0.01	*0.04*	0.13	**0.17**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	MW106S_190117	Normal	-	ACTNSW_Hist_202012-3		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	19 Jan 2017	QC115_190117	Field_D	-	ACTNSW_Hist_202012-3		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW106S	20 Jan 2017	MW106S_GW_170120	Normal	-	NSW_0908_PFAS		<0.01	*0.04*	0.67	**0.71**	0.71	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	09 May 2017	MW106S_090517	Normal	-	ACTNSW_Hist_202012-3		0.02	*0.07*	0.3	**0.37**	-	0.01	0.02	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05
MW106S	03 Apr 2018	MW106S_GW_03042018	Normal	-	NSW_0908_PFAS		<0.01	*0.04*	0.2	**0.24**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	21 Nov 2018	0908_MW106S_181121	Normal	-	NSW_0908_PFAS		<0.01	*0.04*	0.14	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	28 May 2019	0908_MW106S_190528	Normal	-	NSW_0908_PFAS		<0.01	*0.08*	0.06	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	04 Nov 2019	0908_MW106S_191104	Normal	-	NSW_0908_PFASOMP		<0.01	*0.04*	0.08	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	12 May 2020	0908_MW106S_200512	Normal	-	NSW_0908_PFASOMP		<0.01	*0.04*	0.08	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	17 Nov 2020	0908_MW106_S_201117	Normal	-	NSW_0908_PFASOMP		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW106S	14 May 2021	0908_MW106S_210514	Normal	-	NSW_0908_PFASOMP	<0.01	*0.03*	0.16	**0.19**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 Nov 2021	0908_MW106S_211108	Normal	-	NSW_0908_PFASOMP	<0.01	*0.04*	0.15	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	24 May 2022	0908_MW106S_220524	Normal	-	NSW_0908_PFASOMP	<0.01	*0.04*	0.17	**0.21**	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 Nov 2022	0908_MW106S_221108	Normal	-	NSW_0908_PFASOMP	0.01	*0.03*	0.25	**0.28**	0.35	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	08 May 2023	0908_MW106S_230508	Normal	-	NSW_0908_PFASOMP_23	0.02	*0.08*	0.23	**0.31**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	23 Nov 2023	0908_MW106S_231123	Normal	-	NSW_0908_PFASOMP_23	0.01	*0.08*	0.11	**0.19**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	19 Apr 2024	0908_MW106S_240419	Normal	-	NSW_0908_PFASOMP_24	0.01	*0.18*	0.1	**0.28**	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW106S	24 Sep 2024	0908_MW106S_240924	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.14*	0.05	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	13 Apr 2015	MW107-D_20150413	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW107D	10 Mar 2016	MW107D_10032016	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW107D	01 Feb 2017	MW107D_GW_01022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	01 Feb 2017	QC820_GW_01022017	Interlab_D	Risk Zone C	NSW_0908_PFAS	<0.02	<0.01	<0.02	<0.02	-	<0.01	-	-	<0.02	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.02	-	-	-	-
MW107D	01 May 2018	MW107D_GW_01052018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	07 Aug 2018	0908_MW107D_180807	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	07 Sep 2018	0908_MW107D_180907	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	05 Oct 2018	0908_MW107D_181005	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	27 Nov 2018	0908_MW107D_181127	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_MW107D_190123	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_QC101_190123	Field_D	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jan 2019	0908_QC201_190123	Interlab_D	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW107D	29 Mar 2019	0908_MW107D_190329	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	31 May 2019	0908_MW107D_190531	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	18 Jun 2019	0908_MW107D_190618	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	25 Sep 2019	0908_MW107D_190925	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	<0.0003	<0.0005	<0.0003	0.0280	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.028	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	19 Nov 2019	0908_MW107D_191119	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	19 Nov 2019	0908_QC107_191119	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	19 Nov 2019	0908_QC207_191119	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW107D	02 Dec 2019	0908_MW107D_191202	Normal	Risk Zone C	NSW_0908_PFAS	<0.0005	*0.0042*	<0.0005	0.0042	0.0562	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.052	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	12 Mar 2020	0908_MW107D_200312	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	*0.0053*	<0.0005	0.0053	0.0132	<0.0005	<0.0005	<0.0005	<0.0005	0.006	<0.0005	0.0019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	19 May 2020	0908_MW107D_200519	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Jun 2020	0908_MW107D_200623	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.002	*0.002*	<0.002	0.002	0.031	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.029	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	29 Sep 2020	0908_MW107D_200929	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.002	<0.002	<0.002	<0.002	0.013	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.013	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	19 Nov 2020	0908_MW107_D_201119	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	11 Jan 2021	0908_MW107_D_210111	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	*0.0012*	<0.0005	0.0012	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	20 Sep 2021	0908_MW107D_210920	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.002	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107D	17 Nov 2021	0908_MW107D_211117	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	17 Nov 2021	0908_QC111_211117	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	13 Jan 2022	0908_MW107D_220113	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	<0.0003	<0.0005	<0.0003	0.0036	0.0012	0.0006	<0.0005	<0.0005	<0.002	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107D	11 Nov 2022	0908_MW107D_221111	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	12 May 2023	0908_MW107D_230512	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Nov 2023	0908_MW107D_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Apr 2024	0908_MW107D_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107D	23 Sep 2024	0908_MW107D_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	13 Apr 2015	MW107-S_20150413	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW107S	10 Mar 2016	MW107S_10032016	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW107S	10 Mar 2016	QC150_10032016	Field_D	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW107S	01 Feb 2017	MW107S_GW_01022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	01 Feb 2017	QC721_GW_01022017	Field_D	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	01 May 2018	MW107S_GW_01052018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	07 Aug 2018	0908_MW107S_180807	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	07 Sep 2018	0908_MW107S_180907	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	05 Oct 2018	0908_MW107S_181005	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	27 Nov 2018	0908_MW107S_181127	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Jan 2019	0908_MW107S_190123	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_MW107S_190329	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_QC100_190329	Field_D	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Mar 2019	0908_QC200_190329	Interlab_D	Risk Zone C	NSW_0908_PFASMGMT	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW107S	22 May 2019	0908_QC200_190522	Interlab_D	Risk Zone C	NSW_0908_PFAS		0.12	*8.8*	1.4	**10.2**	-	0.078	0.094	0.090	<0.01	0.089	0.13	0.47	0.049	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.026	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW107S	31 May 2019	0908_MW107S_190531	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	18 Jun 2019	0908_MW107S_190618	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	18 Jun 2019	0908_QC100_190618	Field_D	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	25 Sep 2019	0908_MW107S_190925	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	<0.0003	<0.0005	<0.0003	0.0022	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	0.0005	0.0010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	19 Nov 2019	0908_MW107S_191119	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	02 Dec 2019	0908_MW107S_191202	Normal	Risk Zone C	NSW_0908_PFAS		<0.0005	*0.001*	<0.0005	0.001	0.0021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	12 Mar 2020	0908_MW107S_200312	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0029*	<0.0005	0.0029	0.0046	0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	19 May 2020	0908_MW107S_200519	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Jun 2020	0908_MW107S_200623	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	29 Sep 2020	0908_MW107S_2009329	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	19 Nov 2020	0908_MW107_S_201119	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	11 Jan 2021	0908_MW107_S_210111	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0004*	<0.0005	0.0004	0.0004	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Jan 2021	0908_QC100_210111	Field_D	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0003*	<0.0005	0.0003	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Jan 2021	0908_QC200_210111	Interlab_D	Risk Zone C	NSW_0908_PFASMGMT		<0.001	<0.002	<0.001	<0.001	-	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW107S	20 Sep 2021	0908_MW107S_210920	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.002	0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW107S	17 Nov 2021	0908_MW107S_211117	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	13 Jan 2022	0908_MW107S_220113	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0008*	0.0016	0.0024	0.0178	0.0011	0.0005	<0.0005	<0.0005	0.008	0.0028	0.0030	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW107S	11 Nov 2022	0908_MW107S_221111	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	12 May 2023	0908_MW107S_230512	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Nov 2023	0908_MW107S_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Apr 2024	0908_MW107S_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW107S	23 Sep 2024	0908_MW107S_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Nov 2014	MW108-D_17112014	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.11	**0.11**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108D	21 Jan 2016	MW108D_21012016	Normal	-	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW108D	29 Aug 2016	MW108D_290816	Normal	-	NSW_0908_PFAS		<0.01	*0.01*	0.03	0.04	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108D	17 Oct 2016	MW108D_171016	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.03	0.03	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108D	13 Jan 2017	MW108D_130117	Normal	-	ACTNSW_Hist_202012-3		<0.01	*0.04*	0.43	**0.47**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108D	24 Jan 2017	MW108D_GW_24012017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	1.14	**1.14**	1.29	0.02	0.05	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	07 Mar 2017	MW108D_070317	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.56	**0.56**	0.63	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	02 May 2017	MW108D_020517	Normal	-	ACTNSW_Hist_202012-3		<0.01	*0.01*	0.55	**0.56**	-	<0.01	0.02	<0.01	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW108D	04 Apr 2018	MW108D_GW_04042018	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.4	**0.4**	0.58	0.02	0.02	<0.02	<0.02	0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	04 Apr 2018	MW108D_GW_04042018	Normal	-	NSW_0908_PFAS		-	-	-	**0.41**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.37	**0.37**	0.46	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	29 Nov 2018	0908_MW108D_181129	Normal	-	NSW_0908_PFAS		-	-	-	**0.38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_MW108D_190531	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.38	**0.38**	0.54	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	31 May 2019	0908_MW108D_190531	Normal	-	NSW_0908_PFAS		-	-	-	**0.39**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_QC105_190531	Field_D	-	NSW_0908_PFAS		<0.01	<0.01	0.37	**0.37**	0.51	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	31 May 2019	0908_QC105_190531	Field_D	-	NSW_0908_PFAS		-	-	-	**0.38**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW108D	31 May 2019	0908_QC205_190531	Interlab_D	-	NSW_0908_PFAS		<0.01	<0.02	0.36	**0.38**	-	0.046	0.041	<0.01	<0.01	<0.05	<0.02	0.059	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108D	08 Nov 2019	0908_MW108D_191108	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.46	**0.46**	0.76	0.08	0.08	<0.02	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	11 May 2020	0908_MW108D_200511	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.44	**0.44**	0.80	0.10	0.11	<0.02	<0.02	<0.1	0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Nov 2020	0908_MW108_D_201117	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.23	**0.23**	0.35	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 May 2021	0908_MW108D_210517	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.55	**0.55**	0.86	0.07	0.10	<0.02	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 Nov 2021	0908_MW108D_211110	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	1.41	**1.41**	2.25	0.21	0.20	<0.02	<0.02	<0.1	0.05	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	19 May 2022	0908_MW108D_220519	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.21	**0.21**	0.26	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 Nov 2022	0908_MW108D_221110	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.36	**0.36**	0.47	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 May 2023	0908_MW108D_230510	Normal	-	NSW_0908_PFASOMP_23		0.02	<0.01	1.56	**1.56**	2.15	0.12	0.19	<0.02	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	10 May 2023	0908_QC219_230510	Interlab_D	-	NSW_0908_PFASOMP_23		<0.01	<0.01	1.6	**1.6**	2.1	0.11	0.18	<0.01	<0.02	<0.02	0.03	0.16	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW108D	22 Nov 2023	0908_MW108D_231122	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	0.44	**0.44**	0.59	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	17 Apr 2024	0908_MW108D_240417	Normal	-	NSW_0908_PFASOMP_24		0.03	<0.01	1.48	**1.48**	2.03	0.10	0.17	<0.02	<0.02	<0.1	0.03	0.15	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108D	24 Sep 2024	0908_MW108D_240924	Normal	-	NSW_0908_PFASOMP_24		0.02	*0.02*	1.40	**1.42**	1.77	0.06	0.10	<0.02	<0.02	<0.1	0.02	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Nov 2014	MW108-S_17112014	Normal	-	NSW_0908_PFAS		<0.01	*0.02*	0.21	**0.23**	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108S	21 Jan 2016	MW108S_21012016	Normal	-	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW108S	29 Aug 2016	MW108S_290816	Normal	-	NSW_0908_PFAS		0.02	*0.13*	1.9	**2.03**	-	0.07	-	-	<0.01	<0.05	0.04	0.46	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW108S	17 Oct 2016	MW108S_171016	Normal	-	NSW_0908_PFAS		0.02	*0.2*	2.4	**2.6**	-	0.07	-	-	<0.01	<0.05	0.02	0.12	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW108S	13 Jan 2017	MW108S_130117	Normal	-	ACTNSW_Hist_202012-3		0.02	*0.38*	0.78	**1.16**	-	0.03	-	-	<0.01	<0.05	0.01	0.18	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW108S	24 Jan 2017	MW108S_GW_24012017	Normal	-	NSW_0908_PFAS	0.01	*0.46*	0.99	**1.45**	1.75	0.03	0.11	<0.02	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	02 May 2017	MW108S_020517	Normal	-	ACTNSW_Hist_202012-3	0.02	*0.11*	0.82	**0.93**	-	0.02	0.03	<0.01	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW108S	04 Apr 2018	MW108S_GW_04042018	Normal	-	NSW_0908_PFAS	<0.01	*0.02*	0.25	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	09 Aug 2018	0908_MW108S_180809	Normal	-	NSW_0908_PFASMGMT	0.32	*0.06*	2.97	**3.03**	4.05	0.07	0.16	<0.02	<0.02	<0.1	0.05	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Sep 2018	0908_MW108S_180905	Normal	-	NSW_0908_PFASMGMT	0.35	*0.09*	3.22	**3.31**	4.35	0.07	0.15	<0.02	<0.02	<0.1	0.03	0.39	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_MW108S_181003	Normal	-	NSW_0908_PFASMGMT	**0.57**	*0.1*	5.8	**5.9**	8.48	0.17	0.25	0.27	<0.02	<0.1	0.15	1.06	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_QC106_181003	Field_D	-	NSW_0908_PFASMGMT	**0.58**	*0.11*	5.84	**5.95**	8.49	0.16	0.24	0.28	<0.02	<0.1	0.16	1.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	03 Oct 2018	0908_QC206_181003	Interlab_D	-	NSW_0908_PFASMGMT	0.48	<0.02	4	**4**	-	0.13	0.2	0.063	<0.01	0.061	0.12	0.7	0.081	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108S	29 Nov 2018	0908_MW108S_181129	Normal	-	NSW_0908_PFAS	0.55	*0.07*	4.46	**4.53**	6.52	0.13	0.2	0.27	<0.02	<0.1	0.1	0.67	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jan 2019	0908_MW108S_190122	Normal	-	NSW_0908_PFASMGMT	0.40	*0.08*	3.9	**3.98**	5.19	0.08	0.15	0.17	<0.02	<0.1	0.03	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	01 Apr 2019	0908_MW108S_190401	Normal	-	NSW_0908_PFASMGMT	0.22	*0.16*	2.49	**2.65**	3.33	0.09	0.08	0.10	<0.02	<0.1	0.02	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	31 May 2019	0908_MW108S_190531	Normal	-	NSW_0908_PFAS	0.07	*0.12*	0.23	**0.35**	0.54	0.06	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	20 Jun 2019	0908_MW108S_190620	Normal	-	NSW_0908_PFASMGMT	0.04	*0.09*	0.23	**0.32**	0.62	0.09	0.06	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	24 Sep 2019	0908_MW108S_190924	Normal	-	NSW_0908_PFASMGMT	0.02	*0.06*	2.09	**2.15**	2.65	0.11	0.14	<0.02	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	08 Nov 2019	0908_MW108S_191108	Normal	-	NSW_0908_PFASOMP	0.03	*0.12*	3.13	**3.25**	3.65	0.09	0.10	<0.02	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	28 Nov 2019	0908_MW108S_191128	Normal	-	NSW_0908_PFAS	0.02	*0.12*	2.63	**2.75**	2.92	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	16 Mar 2020	0908_MW108S_200316	Normal	-	NSW_0908_PFASMGMT	0.01	*0.2*	0.25	**0.45**	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	11 May 2020	0908_MW108S_200511	Normal	-	NSW_0908_PFASOMP	<0.01	*0.27*	0.2	**0.47**	0.47	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jun 2020	0908_MW108S_200622	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.04*	0.29	**0.33**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Jun 2020	0908_QC100_200622	Field_D	-	NSW_0908_PFASMGMT	<0.01	*0.04*	0.29	**0.33**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	30 Sep 2020	0908_MW108S_200930	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.06*	0.15	**0.21**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Nov 2020	0908_MW108_S_201117	Normal	-	NSW_0908_PFASOMP	<0.01	*0.03*	0.31	**0.34**	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_MW108_S_210113	Normal	-	NSW_0908_PFASMGMT	0.03	*0.09*	0.82	**0.91**	1.00	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_QC101_210113	Field_D	-	NSW_0908_PFASMGMT	0.03	*0.08*	0.77	**0.85**	0.93	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	13 Jan 2021	0908_QC201_210113	Interlab_D	-	NSW_0908_PFASMGMT	<0.01	*0.034*	0.61	**0.644**	-	<0.01	<0.01	0.017	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW108S	17 May 2021	0908_MW108S_210517	Normal	-	NSW_0908_PFASOMP	0.06	*0.12*	0.72	**0.84**	1.19	0.03	0.05	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	23 Jun 2021	0908_MW108S_210623	Normal	-	NSW_0908_PFASMGMT	0.08	*0.13*	0.88	**1.01**	1.41	0.03	0.04	0.18	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Nov 2021	0908_MW108S_211105	Normal	-	NSW_0908_PFASMGMT	0.02	*0.1*	0.91	**1.01**	1.21	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	05 Nov 2021	0908_QC101_211105	Field_D	-	NSW_0908_PFASMGMT	0.02	*0.1*	0.9	**1**	1.19	0.03	0.04	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2021	0908_MW108S_211110	Normal	-	NSW_0908_PFASOMP	0.02	*0.09*	0.7	**0.79**	0.95	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2021	0908_QC203_211110	Interlab_D	-	NSW_0908_PFASOMP	<0.01	*0.08*	0.75	**0.82**	0.98	0.02	0.03	0.04	<0.02	<0.02	<0.02	0.05	0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW108S	12 Jan 2022	0908_MW108S_220112	Normal	-	NSW_0908_PFASMGMT	0.05	*0.08*	1.07	**1.15**	1.31	<0.02	0.03	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	14 Mar 2022	0908_MW108S_220314	Normal	-	NSW_0908_PFASMGMT	0.04	*0.1*	0.62	**0.72**	0.80	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	19 May 2022	0908_MW108S_220519	Normal	-	NSW_0908_PFASOMP	0.03	*0.83*	0.62	**1.45**	1.59	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	20 Jun 2022	0908_MW108S_220620	Normal	-	NSW_0908_PFASMGMT	0.03	*0.92*	0.6	**1.52**	1.75	<0.02	<0.02	0.17	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	12 Sep 2022	0908_MW108S_220912	Normal	-	NSW_0908_PFASMGMT	0.04	*2.02*	0.61	**2.63**	2.88	<0.02	0.03	0.14	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 Nov 2022	0908_MW108S_221110	Normal	-	NSW_0908_PFASOMP	0.04	*1.66*	0.55	**2.21**	2.48	0.02	0.04	0.13	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	10 May 2023	0908_MW108S_230510	Normal	-	NSW_0908_PFASOMP_23	0.42	*4.03*	2.86	**6.89**	8.70	0.05	0.11	0.88	<0.02	<0.1	0.04	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	22 Nov 2023	0908_MW108S_231122	Normal	-	NSW_0908_PFASOMP_23	0.23	*4.68*	1.46	**6.14**	7.39	0.03	0.05	0.78	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	17 Apr 2024	0908_MW108S_240417	Normal	-	NSW_0908_PFASOMP_24	0.01	*2.06*	0.14	**2.2**	2.24	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW108S	24 Sep 2024	0908_MW108S_240924	Normal	-	NSW_0908_PFASOMP_24	0.02	*2.69*	0.26	**2.95**	3.17	<0.02	<0.02	0.05	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	17 Nov 2014	MW109-D_17112014	Normal	-	NSW_0908_PFAS	**0.83**	*44*	7.5	**51.5**	-	0.95	-	-	0.11	-	0.28	2.2	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW109D	02 Feb 2016	MW109D_02022016	Normal	-	NSW_0908_PFAS	**0.67**	*24.5*	-	**24.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW109D	29 Aug 2016	MW109D_290816	Normal	-	NSW_0908_PFAS	0.42	*34*	3.9	**37.9**	-	0.32	-	-	0.02	0.11	0.18	1.4	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW109D	19 Oct 2016	MW109D_191016	Normal	-	NSW_0908_PFAS	0.34	*15*	1.6	**16.6**	-	0.4	-	-	<0.01	0.12	0.16	1.1	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW109D	12 Jan 2017	MW109D_120117	Normal	-	ACTNSW_Hist_202012-3	0.49	*35*	4	**39**	-	0.33	-	-	0.05	0.12	0.17	1.3	0.16	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.02	-	<0.05	-	<0.05	-	-	<0.05	-
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	-	NSW_0908_PFAS	**0.89**	*49.4*	7.29	**56.69**	61.9	0.48	0.6	0.78	0.09	<0.1	0.32	1.74	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	24 Jan 2017	MW109D_GW_24012017	Normal	-	NSW_0908_PFAS	-	-	-	**56.7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW109D	02 May 2017	MW109D_020517	Normal	-	ACTNSW_Hist_202012-3	0.37	*22*	3.1	**25.1**	-	0.19	0.27	0.36	0.09	0.1	0.19	0.93	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.18	0.02	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW109D	20 Apr 2018	MW109D_GW_20042018	Normal	-	NSW_0908_PFAS	0.01	*0.94*	0.59	**1.53**	1.92	0.02	0.04	<0.02	<0.02	<0.1	0.04	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	14 Sep 2018	0908_MW109D_180914	Normal	-	NSW_0908_PFASMGMT	0.02	*3.25*	0.16	**3.41**	3.48	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	13 Dec 2018	0908_MW109D_181213	Normal	-	NSW_0908_PFAS	0.07	*6.22*	0.78	**7**	7.52	0.04	0.06	0.08	<0.02	<0.1	0.05	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	13 Dec 2018	0908_QC112_181213	Field_D	-	NSW_0908_PFAS	0.07	*6.35*	0.8	**7.15**	7.67	0.04	0.06	0.07	<0.02	<0.1	0.05	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	31 May 2019	0908_MW109D_190531	Normal	-	NSW_0908_PFAS	0.02	*3.98*	0.17	**4.15**	4.25	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	08 Nov 2019	0908_MW109D_191108	Normal	-	NSW_0908_PFASOMP	0.20	*14*	1.94	**15.9**	17.5	0.11	0.14	0.16	0.03	<0.1	0.17	0.64	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_MW109_D_201123	Normal	-	NSW_0908_PFASOMP	0.14	*2.98*	2.85	**5.83**	6.92	0.16	0.19	0.11	<0.02	<0.1	0.08	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_QC106_201123	Field_D	-	NSW_0908_PFASOMP	0.15	*3.11*	3.01	**6.12**	7.24	0.17	0.20	0.11	<0.02	<0.1	0.08	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	23 Nov 2020	0908_QC206_201123	Interlab_D	-	NSW_0908_PFASOMP	0.11	*2.6*	2.5	**5.1**	-	0.14	0.17	0.068	<0.01	0.063	0.075	0.28	0.05	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW109D	17 May 2021	0908_MW109D_210517	Normal	-	NSW_0908_PFASOMP	0.50	*14.9*	5.58	**20.5**	24.8	0.51	0.68	0.40	0.08	0.2	0.40	1.27	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	16 Nov 2021	0908_MW109D_211116	Normal	-	NSW_0908_PFASOMP	0.54	*15.4*	6.54	**21.9**	26.2	0.55	0.65	0.40	0.03	0.2	0.34	1.29	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	19 May 2022	0908_MW109D_220519	Normal	-	NSW_0908_PFASOMP	**0.60**	*30.9*	6.48	**37.4**	40.9	0.22	0.34	0.72	0.07	0.1	0.26	0.92	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	10 Nov 2022	0908_MW109D_221110	Normal	-	NSW_0908_PFASOMP	**0.76**	*26.4*	7.94	**34.3**	38.2	0.33	0.48	0.64	<0.02	0.2	0.27	0.92	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	26 May 2023	0908_MW109D_230526	Normal	-	NSW_0908_PFASOMP_23	0.05	*3.82*	0.66	**4.48**	4.90	0.05	0.07	0.02	<0.02	<0.1	0.06	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	22 Nov 2023	0908_MW109D_231122	Normal	-	NSW_0908_PFASOMP_23	**0.88**	*9.64*	12.9	**22.5**	27.6	0.76	1.05	0.45	<0.02	0.1	0.26	1.19	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	18 Apr 2024	0908_MW109D_240418	Normal	-	NSW_0908_PFASOMP_24	0.01	*1.16*	0.11	**1.27**	1.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW109D	24 Sep 2024	0908_MW109D_240924	Normal	-	NSW_0908_PFASOMP_24	0.10	*7.16*	1.22	**8.38**	9.20	0.06	0.08	0.08	<0.02	<0.1	0.10	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	12 Nov 2014	MW118_12112014	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW118	29 Jan 2016	MW118_29012016	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW118	11 Jan 2017	MW118_GW_11012017	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Mar 2018	MW118_GW_28032018	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	19 Nov 2018	0908_MW118_181119	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	24 May 2019	0908_MW118_190524	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_MW118_191105	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_QC101_191105	Field_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	05 Nov 2019	0908_QC201_191105	Interlab_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.05	<0.01	<0.05
MW118	19 May 2020	0908_MW118_200519	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	23 Nov 2020	0908_MW118_201123	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_MW118_210513	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_QC101_210513	Field_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	13 May 2021	0908_QC201_210513	Interlab_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW118	09 Nov 2021	0908_MW118_211109	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	17 May 2022	0908_MW118_220517	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	17 May 2022	0908_QC100_220517	Field_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	07 Nov 2022	0908_MW118_221107	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_MW118_231128	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_QC114_231128	Field_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW118	28 Nov 2023	0908_QC214_231128	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW118	16 Apr 2024	0908_MW118_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	13 Nov 2014	MW121_13112014	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW121	25 Jan 2016	MW121_25012016	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW121	10 Jan 2017	MW121_GW_10012017	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	26 Mar 2018	QC201_GW_26032018	Interlab_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW121	28 Mar 2018	MW121_GW_28032018	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	28 Mar 2018	QC101_GW_28032018	Field_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	20 Nov 2018	0908_MW121_181120	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	23 May 2019	0908_MW121_90523	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	04 Nov 2019	0908_MW121_191104	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	18 May 2020	0908_MW121_200518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	23 Nov 2020	0908_MW121_201123	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.15*	0.17	**0.32**	0.39	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	13 May 2021	0908_MW121_210513	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 Nov 2021	0908_MW121_211109	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	18 May 2022	0908_MW121_220518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.16*	0.04	**0.2**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_MW121_221108	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_QC110_221108	Field_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	08 Nov 2022	0908_QC210_221108	Interlab_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.02*	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW121	09 May 2023	0908_MW121_230509	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 May 2023	0908_QC106_230509	Field_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	09 May 2023	0908_QC206_230509	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	*0.01*	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW121	20 Nov 2023	0908_MW121_231120	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_MW121_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC101_240416	Field_D	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW121	16 Apr 2024	0908_QC201_240416	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.04*	0.01	0.05	0.05	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW122	13 Nov 2014	MW122_13112014	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	0.03	0.03	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW122	15 Feb 2016	MW122_15022016	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	0.05	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	-	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	15 Feb 2016	QC135_WG_15022016	Field_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	0.05	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	-	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	06 Apr 2018	MW122_GW_06042018	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW122	21 Nov 2018	0908_MW122_181121	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2018	0908_QC102_181121	Field_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2018	0908__QC201_181121	Interlab_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.02	0.019	0.039	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW122	23 May 2019	0908_MW122_190523	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	23 May 2019	0908_MW122_190523	Normal	Risk Zone B	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW122	05 Nov 2019	0908_MW122_191105	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	20 May 2020	0908_MW122_200520	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	24 Nov 2020	0908_MW122_201124	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	18 May 2022	0908_MW122_220518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	10 Nov 2022	0908_MW122_221110	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	19 May 2023	0908_MW122_230519	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	21 Nov 2023	0908_MW122_231121	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW122	16 Apr 2024	0908_MW122_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	12 Nov 2014	MW123_12112014	Normal	Risk Zone B	NSW_0908_PFAS	0.02	*0.48*	0.25	**0.73**	-	0.03	-	-	<0.01	-	<0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW123	08 Oct 2015	MW123	Normal	Risk Zone B	NSW_0908_PFAS	<0.02	*0.1*	-	**0.1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW123	29 Jan 2016	MW123_29012016	Normal	Risk Zone B	NSW_0908_PFAS	0.03	*0.76*	-	**0.76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW123	11 Jan 2017	MW123_GW_11012017	Normal	Risk Zone B	NSW_0908_PFAS	0.03	*1.12*	0.41	**1.53**	1.91	0.26	<0.02	0.04	<0.02	<0.1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	28 Mar 2018	MW123_GW_28032018	Normal	Risk Zone B	NSW_0908_PFAS	0.03	*0.8*	0.68	**1.48**	1.86	0.07	0.07	0.04	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	20 Nov 2018	0908_MW123_181120	Normal	Risk Zone B	NSW_0908_PFAS	0.03	*0.67*	0.5	**1.17**	1.56	0.06	0.08	0.03	<0.02	<0.1	0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	23 May 2019	0908_MW123_190523	Normal	Risk Zone B	NSW_0908_PFAS	0.04	*0.87*	1.01	**1.88**	2.3	0.07	0.09	0.04	<0.02	<0.1	0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	05 Nov 2019	0908_MW123_191105	Normal	Risk Zone B	NSW_0908_PFASOMP	0.04	*0.89*	1.04	**1.93**	2.31	0.06	0.07	0.05	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	26 May 2021	0908_MW123_210526	Normal	Risk Zone B	NSW_0908_PFASOMP	0.02	*0.58*	0.54	**1.12**	1.34	0.04	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 Nov 2021	0908_MW123_211109	Normal	Risk Zone B	NSW_0908_PFASOMP	0.01	*0.34*	0.25	**0.59**	0.67	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 Nov 2021	0908_QC101_211109	Field_D	Risk Zone B	NSW_0908_PFASOMP	0.01	*0.37*	0.27	**0.64**	0.72	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	18 May 2022	0908_MW123_220518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.1*	0.08	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	08 Nov 2022	0908_MW123_221108	Normal	Risk Zone B	NSW_0908_PFASOMP	0.02	*0.4*	0.33	**0.73**	0.86	0.02	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	09 May 2023	0908_MW123_230509	Normal	Risk Zone B	NSW_0908_PFASOMP_23	0.02	*0.41*	0.39	**0.8**	0.97	0.03	0.04	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	21 Nov 2023	0908_MW123_231121	Normal	Risk Zone B	NSW_0908_PFASOMP_23	0.01	*0.35*	0.21	**0.56**	0.61	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW123	16 Apr 2024	0908_MW123_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.09*	0.05	**0.14**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	07 Feb 2017	MW125D_GW_07022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	26 Mar 2018	MW125D_GW_26032018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	20 Nov 2018	0908_MW125D_181120	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	22 May 2019	0908_MW125D_190522	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	22 May 2019	0908_MW125D_190522	Normal	Risk Zone C	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW125D	22 May 2019	0908_MW125D_190522	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	01 Nov 2019	0908_MW125D_191101	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	13 May 2020	0908_MW125D_200513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	24 Nov 2020	0908_MW125_D_201124	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	13 May 2021	0908_MW125D_210513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 Nov 2021	0908_MW125D_211109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 Nov 2022	0908_MW125D_221109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	09 May 2023	0908_MW125D_230509	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	21 Nov 2023	0908_MW125D_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	16 Apr 2024	0908_MW125D_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125D	23 Sep 2024	0908_MW125D_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	26 Mar 2018	MW125S_GW_26032018	Normal	Risk Zone C	NSW_0908_PFAS	0.02	*0.02*	0.06	**0.08**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	20 Nov 2018	0908_MW125S_181120	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	22 May 2019	0908_MW125_190522	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	22 May 2019	0908_MW125_190522	Normal	Risk Zone C	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW125S	01 Nov 2019	0908_MW125S_191101	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 May 2020	0908_MW125S_200513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 Nov 2020	0908_MW125_S_201113	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	13 May 2021	0908_MW125S_210513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 Nov 2021	0908_MW125S_211109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 Nov 2022	0908_MW125S_221109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	09 May 2023	0908_MW125S_230509	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	21 Nov 2023	0908_MW125S_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW125S	16 Apr 2024	0908_MW125S_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW125S	23 Sep 2024	0908_MW125S_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 Dec 2016	MW126D_GW_19122016	Normal	Risk Zone A	NSW_0908_PFAS		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	07 Feb 2017	MW126D_GW_07022017	Normal	Risk Zone A	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	26 Mar 2018	MW126D_GW_26032018	Normal	Risk Zone A	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	20 Nov 2018	0908_MW126D_181120	Normal	Risk Zone A	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	21 May 2019	0908_MW126D_190521	Normal	Risk Zone A	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	01 Nov 2019	0908_MW126D_191101	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	*0.47*	0.03	**0.5**	0.50	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	13 May 2020	0908_MW126D_200513	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	24 Nov 2020	0908_MW126_D_201124	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	*0.04*	<0.02	0.04	0.11	0.07	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 May 2021	0908_MW126D_210519	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	19 May 2021	0908_QC204_210519	Interlab_D	Risk Zone A	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126D	09 Nov 2021	0908_MW126D_211109	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	31 May 2022	0908_MW126D_220531	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	09 Nov 2022	0908_MW126D_221109	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	11 May 2023	0908_MW126D_230511	Normal	Risk Zone A	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	0.13	0.13	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	23 Nov 2023	0908_MW126D_231123	Normal	Risk Zone A	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_MW126D_240416	Normal	Risk Zone A	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC102_240416	Field_D	Risk Zone A	NSW_0908_PFASOMP_24		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126D	16 Apr 2024	0908_QC202_240416	Interlab_D	Risk Zone A	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126D	23 Sep 2024	0908_MW126D_240923	Normal	Risk Zone A	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 Nov 2014	MW126_13112014	Normal	Risk Zone A	NSW_0908_PFAS		0.04	*0.07*	0.49	**0.56**	-	0.05	-	-	<0.01	-	<0.01	0.24	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW126S	03 Feb 2016	MW126_03022016	Normal	Risk Zone A	NSW_0908_PFAS		0.16	*0.49*	-	**0.49**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW126S	19 Dec 2016	MW126S_GW_19122016	Normal	Risk Zone A	NSW_0908_PFAS		0.33	*2.26*	6.11	**8.37**	11.6	0.36	0.42	0.51	<0.02	<0.1	0.2	1.19	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	MW126S_GW_26032018	Normal	Risk Zone A	NSW_0908_PFAS		0.09	*1.44*	1.59	**3.03**	4.19	0.2	0.16	0.18	<0.02	<0.1	0.09	0.37	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	QC100_GW_26032018	Field_D	Risk Zone A	NSW_0908_PFAS		0.09	*1.42*	1.69	**3.11**	4.3	0.2	0.16	0.19	<0.02	<0.1	0.08	0.39	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	26 Mar 2018	QC200_GW_26032018	Interlab_D	Risk Zone A	NSW_0908_PFAS		0.077	*0.65*	1.3	**1.95**	-	0.14	0.13	0.12	<0.01	0.067	0.053	0.3	0.043	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	26 Nov 2018	0908_MW126S_181126	Normal	Risk Zone A	NSW_0908_PFAS		0.13	*1.63*	2.64	**4.27**	5.82	0.28	0.28	0.21	<0.02	<0.1	0.1	0.48	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_MW126S_190521	Normal	Risk Zone A	NSW_0908_PFAS		0.38	*3.6*	7.04	**10.6**	15.6	0.88	1.03	0.55	<0.02	<0.1	0.29	1.6	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_MW126S_190521	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**10.64**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW126S	21 May 2019	0908_QC100_190521	Field_D	Risk Zone A	NSW_0908_PFAS		0.38	*3.63*	7.29	**10.9**	15.9	0.88	1.06	0.55	<0.02	<0.1	0.27	1.6	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	21 May 2019	0908_QC100_190521	Field_D	Risk Zone A	NSW_0908_PFAS		-	-	-	**10.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW126S	21 May 2019	0908_QC200_190521	Interlab_D	Risk Zone A	NSW_0908_PFAS		0.32	*3.1*	8.2	**11.3**	-	0.77	0.72	0.34	<0.01	0.19	0.27	1.5	0.18	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	01 Nov 2019	0908_MW126S_191101	Normal	Risk Zone A	NSW_0908_PFASOMP		0.35	*3.86*	7.02	**10.9**	15.6	1.02	0.70	0.55	<0.02	0.2	0.25	1.44	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_MW126S_200513	Normal	Risk Zone A	NSW_0908_PFASOMP		0.53	*8.44*	8.7	**17.1**	23.2	0.97	1.16	0.70	<0.02	<0.1	0.33	2.08	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_QC102_200513	Field_D	Risk Zone A	NSW_0908_PFASOMP		0.56	*9.2*	8.52	**17.7**	24.0	0.93	1.34	0.79	<0.02	<0.1	0.31	1.97	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	13 May 2020	0908_QC202_200513	Interlab_D	Risk Zone A	NSW_0908_PFASOMP		0.32	*5.3*	6	**11.3**	-	0.75	0.76	0.35	<0.01	0.17	0.27	1.3	0.18	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW126S	24 Nov 2020	0908_MW126_S_201124	Normal	Risk Zone A	NSW_0908_PFASOMP		0.54	*9.88*	6.73	**16.6**	22.8	0.89	1.12	0.87	<0.02	0.2	0.33	1.96	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	19 May 2021	0908_MW126S_210519	Normal	Risk Zone A	NSW_0908_PFASOMP		0.40	*10.2*	7.3	**17.5**	22.5	0.66	0.86	0.81	<0.02	0.1	0.24	1.72	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	09 Nov 2021	0908_MW126S_211109	Normal	Risk Zone A	NSW_0908_PFASOMP		0.25	*6.08*	6.26	**12.3**	15.8	0.52	0.45	0.43	<0.02	<0.1	0.18	1.50	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	31 May 2022	0908_MW126S_220531	Normal	Risk Zone A	NSW_0908_PFASOMP		0.28	*6.02*	5.03	**11**	14.4	0.37	0.47	0.61	<0.02	0.1	0.14	1.25	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	09 Nov 2022	0908_MW126S_221109	Normal	Risk Zone A	NSW_0908_PFASOMP		0.45	*7.02*	10.3	**17.3**	23.6	0.70	0.85	0.79	<0.02	0.2	0.38	2.61	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_MW126S_230511	Normal	Risk Zone A	NSW_0908_PFASOMP_23		**0.68**	*7.94*	13.1	**21**	28.0	0.93	0.55	0.51	<0.02	0.2	0.47	3.25	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_QC112_230511	Field_D	Risk Zone A	NSW_0908_PFASOMP_23		0.54	*7.4*	13.3	**20.7**	28.1	0.98	0.93	1.07	<0.02	0.2	0.49	2.81	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	11 May 2023	0908_QC212_230511	Interlab_D	Risk Zone A	NSW_0908_PFASOMP_23		0.52	*7*	16	**23**	30	0.84	0.94	1.3	<0.02	0.25	0.41	2.9	0.35	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126S	23 Nov 2023	0908_MW126S_231123	Normal	Risk Zone A	NSW_0908_PFASOMP_23		0.35	*4.25*	7.06	**11.3**	15.6	0.55	0.72	0.80	<0.02	0.1	0.23	1.31	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_MW126S_240416	Normal	Risk Zone A	NSW_0908_PFASOMP_24		0.16	*2.57*	3.54	**6.11**	8.24	0.26	0.30	0.38	<0.02	<0.1	0.12	0.68	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC104_240416	Field_D	Risk Zone A	NSW_0908_PFASOMP_24		0.13	*3.25*	3.38	**6.63**	8.68	0.25	0.27	0.43	<0.02	<0.1	0.08	0.66	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW126S	16 Apr 2024	0908_QC204_240416	Interlab_D	Risk Zone A	NSW_0908_PFASOMP_24		0.17	*2.8*	3.4	**6.2**	8.3	0.27	0.28	0.37	<0.02	0.07	0.1	0.74	0.09	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW126S	23 Sep 2024	0908_MW126S_240923	Normal	Risk Zone A	NSW_0908_PFASOMP_24		0.28	*4.74*	5.56	**10.3**	13.9	0.45	0.52	0.60	<0.02	0.1	0.18	1.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	27 Jan 2016	MW128D_27012016	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW128D	11 Jan 2017	MW128D_GW_11012017	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	10 Apr 2018	MW128D_GW_10042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	26 Nov 2018	0908_MW128D_181126	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128D	27 May 2019	0908_MW128D_190527	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	01 Nov 2019	0908_MW128D_191101	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	18 May 2020	0908_MW128D_200518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	25 Nov 2020	0908_MW128_D_201125	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_MW128D_210520	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW128D	20 May 2021	0908_QC110_210520	Field_D	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	20 May 2021	0908_QC210_210520	Interlab_D	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.05	<0.02	<0.01	<0.05
MW128D	11 Nov 2021	0908_MW128D_211111	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	11 Nov 2021	0908_QC105_211111	Field_D	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	16 May 2022	0908_MW128D_220516	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	07 Nov 2022	0908_MW128D_221107	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	09 May 2023	0908_MW128D_230509	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	28 Nov 2023	0908_MW128D_231128	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	16 Apr 2024	0908_MW128D_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128D	25 Sep 2024	0908_MW128D_240925	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	13 Nov 2014	MW128_13112014	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.05*	0.02	0.07	-	0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW128S	27 Jan 2016	MW128_27012016	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW128S	11 Jan 2017	MW128S_GW_11012017	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	10 Apr 2018	MW128S_GW_10042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	27 May 2019	0908_MW128S_190527	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	01 Nov 2019	0908_MW128S_191101	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW128S	18 May 2020	0908_MW128S_200518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	25 Nov 2020	0908_MW128_S_201125	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	20 May 2021	0908_MW128S_210520	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	11 Nov 2021	0908_MW128S_211111	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	16 May 2022	0908_MW128S_220516	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	07 Nov 2022	0908_MW128S_221107	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	09 May 2023	0908_MW128S_230509	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	28 Nov 2023	0908_MW128S_231128	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	16 Apr 2024	0908_MW128S_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW128S	25 Sep 2024	0908_MW128S_240925	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	14 Apr 2015	MW130-D_20150414	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	0.02	-	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.04	0.03	<0.01	<0.01	<0.05	0.06	-	<0.05	<0.05	-	-	<0.05	-	-
MW130D	31 Jan 2017	MW130D_GW_31022017	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Apr 2018	MW130D_GW_27042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2018	0908_MW130D_181127	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	30 May 2019	0908_MW130D_190530	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	06 Nov 2019	0908_MW130D_191106	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	14 May 2020	0908_MW130D_200514	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	25 Nov 2020	0908_MW130_D_201125	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	15 Nov 2021	0908_MW130D_211115	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	01 Jun 2022	0908_MW130D_220601	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	08 Nov 2022	0908_MW130D_221108	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	11 May 2023	0908_MW130D_230511	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_MW130D_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_QC109_231127	Field_D	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	27 Nov 2023	0908_QC209_231127	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
MW130D	24 Apr 2024	0908_MW130D_240424	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	24 Apr 2024	0908_QC116_240424	Field_D	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130D	26 Sep 2024	0908_MW130D_240926	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	14 Apr 2015	MW130-S_20150414	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	-	<0.05	<0.05	-	-	<0.05	-	-
MW130S	31 Jan 2017	MW130S_GW_31012017	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	31 Jan 2017	QC719_GW_31012017	Field_D	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Apr 2018	MW130S_GW_27042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	21 Nov 2018	0908_MW130S_181121	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	30 May 2019	0908_MW130S_190530	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	06 Nov 2019	0908_MW130S_191106	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	14 May 2020	0908_MW130S_200514	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	25 Nov 2020	0908_MW130_S_201125	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	15 Nov 2021	0908_MW130S_211115	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	08 Nov 2022	0908_MW130S_221108	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	11 May 2023	0908_MW130S_230511	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_MW130S_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	27 Nov 2023	0908_QC107_231127	Field_D	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids												PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water							**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																													
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																																
MW130S	27 Nov 2023	0908_QC207_231127	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW130S	24 Apr 2024	0908_MW130S_240424	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC114_240424	Field_D	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW130S	24 Apr 2024	0908_QC214_240424	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW130S	26 Sep 2024	0908_MW130S_240926	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	14 Apr 2015	MW132-D_20150414	Normal	Risk Zone B	NSW_0908_PFAS		0.01	<0.01	0.07	0.07	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.09	0.02	-	<0.05	<0.05	-	-	<0.05	-	-
MW132D	01 Feb 2017	MW132D_GW_01022017	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*0.07*	0.37	**0.44**	0.56	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 Apr 2018	MW132D_GW_27042018	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*0.08*	0.72	**0.8**	1.27	0.04	0.07	<0.02	<0.02	<0.1	0.03	0.29	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 Nov 2018	0908_MW132D_181127	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*0.09*	1.1	**1.19**	1.53	0.08	0.05	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	22 May 2019	0908_MW132D_190522	Normal	Risk Zone B	NSW_0908_PFAS		0.03	*0.1*	1.11	**1.21**	1.67	0.09	0.08	0.03	<0.02	<0.1	0.02	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	06 Nov 2019	0908_MW132D_191106	Normal	Risk Zone B	NSW_0908_PFASOMP		0.07	*0.08*	2.25	**2.33**	2.80	0.05	0.08	0.04	<0.02	<0.1	<0.02	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	14 May 2020	0908_MW132D_200514	Normal	Risk Zone B	NSW_0908_PFASOMP		0.09	*0.1*	1.56	**1.66**	2.26	0.06	0.10	0.06	<0.02	<0.1	0.03	0.24	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	17 Nov 2020	0908_MW132_D_201117	Normal	Risk Zone B	NSW_0908_PFASOMP		0.05	*0.1*	1.25	**1.35**	1.66	0.04	0.06	0.04	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	27 May 2021	0908_MW132D_210527	Normal	Risk Zone B	NSW_0908_PFASOMP		0.07	*0.14*	1	**1.14**	1.50	0.09	0.04	0.08	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	15 Nov 2021	0908_MW132D_211115	Normal	Risk Zone B	NSW_0908_PFASOMP		0.10	*0.31*	0.77	**1.08**	1.43	0.08	0.03	0.08	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	15 Nov 2021	0908_QC207_211115	Interlab_D	Risk Zone B	NSW_0908_PFASOMP		0.08	*0.23*	0.79	**1**	1.3	0.01	0.03	0.10	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	30 May 2022	0908_MW132D_220530	Normal	Risk Zone B	NSW_0908_PFASOMP		0.06	*0.41*	0.7	**1.11**	1.41	0.02	0.04	0.10	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	30 May 2022	0908_QC218_220530	Interlab_D	Risk Zone B	NSW_0908_PFASOMP		0.06	*0.38*	0.61	**0.99**	1.3	0.02	0.02	0.10	<0.02	<0.02	<0.02	0.07	0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	08 Nov 2022	0908_MW132D_221108	Normal	Risk Zone B	NSW_0908_PFASOMP		0.04	*0.44*	0.7	**1.14**	1.39	<0.02	0.04	0.10	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	11 May 2023	0908_MW132D_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.03	*0.89*	0.32	**1.21**	1.42	0.02	<0.02	0.10	<0.02	<0.1	0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_MW132D_231123	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.02	*0.78*	0.23	**1.01**	1.13	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_QC103_231123	Field_D	Risk Zone B	NSW_0908_PFASOMP_23		0.02	*0.74*	0.2	**0.94**	1.07	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	23 Nov 2023	0908_QC203_231123	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_23		0.02	*0.76*	0.24	**1**	1.1	<0.01	0.01	0.08	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132D	22 Apr 2024	0908_MW132D_240422	Normal	Risk Zone B	NSW_0908_PFASOMP_24		0.02	*0.94*	0.23	**1.17**	1.27	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132D	26 Sep 2024	0908_MW132D_240926	Normal	Risk Zone B	NSW_0908_PFASOMP_24		0.01	*1.07*	0.26	**1.33**	1.42	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	14 Apr 2015	MW132-I_20150414	Normal	Risk Zone B	NSW_0908_PFAS		0.01	<0.01	0.05	0.05	-	<0.01	-	-	<0.01	-	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW132I	14 Apr 2015	QC200-HW_20150414	Field_D	Risk Zone B	NSW_0908_PFAS		<0.02	*0.93*	0.28	**1.21**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	-	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW132I	18 Jan 2016	MW132I_18012016	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.78*	0.4	**1.18**	-	0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW132I	01 Feb 2017	MW132I_GW_01022017	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.43*	0.09	**0.52**	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	22 May 2019	0908_MW132S_190522	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.46*	0.25	**0.71**	0.77	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	06 Nov 2019	0908_MW132S_191106	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*0.84*	0.45	**1.29**	1.41	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	14 May 2020	0908_MW132S_200514	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.46*	0.13	**0.59**	0.63	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	17 Nov 2020	0908_MW132_S_201117	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.74*	0.1	**0.84**	0.86	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	27 May 2021	0908_MW132S_210527	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.22*	0.09	**0.31**	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	15 Nov 2021	0908_MW132S_211115	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.4*	0.18	**0.58**	0.60	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	30 May 2022	0908_MW132S_220530	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.34*	0.14	**0.48**	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	30 May 2022	0908_QC118_220530	Field_D	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.52*	0.2	**0.72**	0.72	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	08 Nov 2022	0908_MW132S_221108	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.24*	0.05	**0.29**	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	11 May 2023	0908_MW132S_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.22*	0.05	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	23 Nov 2023	0908_MW132S_231123	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.18*	0.05	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	23 Nov 2023	0908_QC105_231123	Field_D	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.18*	0.04	**0.22**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	23 Nov 2023	0908_QC205_231123	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.16*	0.06	**0.22**	0.22	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW132I	22 Apr 2024	0908_MW132S_240422	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.18*	0.05	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW132I	26 Sep 2024	0908_MW132I_240926	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.22*	0.04	**0.26**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	13 Apr 2015	MW134-D_20150413	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.01	<0.01	-	<0.01	-	-	<0.01	-	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.13	0.03	-	<0.05	<0.05	-	-	<0.05	-	-
MW134D	04 Feb 2016	MW134D_04022016	Normal	-	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW134D	04 Feb 2016	QC127_WG_04022016	Field_D	-	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW134D	05 Sep 2016	MW134D_050916	Normal	-	NSW_0908_PFAS		<0.01	*0.07*	<0.01	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134D	19 Oct 2016	MW134D_191016	Normal	-	NSW_0908_PFAS		<0.01	*0.2*	0.05	**0.25**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	18 Jan 2017	MW134D_180117	Normal	-	ACTNSW_Hist_202012-3		<0.01	*0.1*	0.02	**0.12**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	18 Jan 2017	QC108_180117	Field_D	-	ACTNSW_Hist_202012-3		<0.01	*0.08*	0.02	**0.1**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134D	25 Jan 2017	MW134D_GW_25012017	Normal	-	NSW_0908_PFAS		<0.01	*0.17*	0.1	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	09 May 2017	MW134D_090517	Normal	-	ACTNSW_Hist_202012-3		<0.01	*0.05*	0.02	0.07	-	<0.01	<0.01	0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	0.02	0.02	0.01	<0.01	<0.01	<0.01	<0.05	0.03	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW134D	19 Apr 2018	MW134D_GW_19042018	Normal	-	NSW_0908_PFAS		<0.01	*0.08*	0.06	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	30 Nov 2018	0908_MW134D_181130	Normal	-	NSW_0908_PFAS		<0.01	*0.04*	0.07	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	29 May 2019	0908_MW134D_190529	Normal	-	NSW_0908_PFAS		<0.01	*0.06*	0.04	**0.1**	0.13	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	06 Nov 2019	0908_MW134D_191107	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	15 May 2020	0908_MW134D_200515	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW134D	07 Dec 2020	0908_MW134_D_201207	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	24 May 2021	0908_MW134D_210524	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.04	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	18 Nov 2021	0908_MW134D_211118	Normal	-	NSW_0908_PFASOMP	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	30 May 2022	0908_MW134D_220530	Normal	-	NSW_0908_PFASOMP	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	14 Nov 2022	0908_MW134D_221114	Normal	-	NSW_0908_PFASOMP	<0.01	*0.02*	0.04	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_MW134D_230512	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_QC114_230512	Field_D	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	12 May 2023	0908_QC214_230512	Interlab_D	-	NSW_0908_PFASOMP_23	<0.01	*0.01*	0.02	0.03	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW134D	22 Nov 2023	0908_MW134D_231122	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134D	17 Apr 2024	0908_MW134D_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	13 Apr 2015	MW134-I_20150413	Normal	-	NSW_0908_PFAS	0.01	<0.01	0.04	0.04	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.05	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134I	04 Feb 2016	MW134I_04022016	Normal	-	NSW_0908_PFAS	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW134I	05 Sep 2016	MW134I_050916	Normal	-	NSW_0908_PFAS	<0.01	*0.21*	0.03	**0.24**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW134I	19 Oct 2016	MW134L_191016	Normal	-	NSW_0908_PFAS	<0.01	*0.13*	0.03	**0.16**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW134I	25 Jan 2017	MW134I_GW_25012017	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.03	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	09 May 2017	MW134I_090517	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.06*	0.02	**0.08**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	-	NSW_0908_PFAS	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	19 Apr 2018	MW134I_GW_19042018	Normal	-	NSW_0908_PFAS	-	-	-	**0.09**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW134I	30 Nov 2018	0908_MW134I_181130	Normal	-	NSW_0908_PFAS	<0.01	*0.03*	0.05	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	29 May 2019	0908_MW134I_190529	Normal	-	NSW_0908_PFAS	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	06 Nov 2019	0908_MW134I_191107	Normal	-	NSW_0908_PFASOMP	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	15 May 2020	0908_MW134I_200515	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	07 Dec 2020	0908_MW134_I_201207	Normal	-	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	24 May 2021	0908_MW134I_210524	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	18 Nov 2021	0908_MW134I_211118	Normal	-	NSW_0908_PFASOMP	<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	18 Nov 2021	0908_QC209_211118	Interlab_D	-	NSW_0908_PFASOMP	<0.01	*0.01*	0.03	0.05	0.05	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW134I	30 May 2022	0908_MW134I_220530	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	14 Nov 2022	0908_MW134I_221114	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	12 May 2023	0908_MW134I_230512	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	22 Nov 2023	0908_MW134I_231122	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW134I	17 Apr 2024	0908_MW134I_240417	Normal	-	NSW_0908_PFASOMP_24	0.03	*1.42*	0.38	**1.8**	2.00	0.02	0.04	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	26 Feb 2016	MW139_26022016	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	23 Jan 2017	MW139_GW_170123	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	09 Apr 2018	MW139_GW_09042018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_MW139_181128	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_QC106_181128	Field_D	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	28 Nov 2018	0908_QC203_181128	Interlab_D	Risk Zone C	NSW_0908_PFAS	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05	<0.02
MW139	04 Jun 2019	0908_MW139_190604	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	08 Nov 2019	0908_MW139_191108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	26 May 2020	0908_MW139_200526	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	12 May 2021	0908_MW139_210512	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	31 May 2022	0908_MW139_220531	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	14 Nov 2022	0908_MW139_221114	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	15 May 2023	0908_MW139_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	27 Nov 2023	0908_MW139_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	23 Apr 2024	0908_MW139_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW139	19 Sep 2024	0908_MW139_240919	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	07 Feb 2017	MW146D_A_GW_07022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	20 Nov 2018	0908_MW146D_A_181120	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	21 May 2019	0908_MW146D_A_190521	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	06 Nov 2019	0908_MW146D_A_191106	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	26 Nov 2020	0908_MW146A_D_201126	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	13 May 2021	0908_MW146AD_210513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	13 May 2021	0908_QC102_210513	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	09 Nov 2021	0908_MW146AD_211109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	31 May 2022	0908_MW146AD_220531	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.27*	0.01	**0.28**	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	09 Nov 2022	0908_MW146AD_221109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.1*	<0.01	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	09 May 2023	0908_MW146AD_230509	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids												PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water							**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																													
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																																
MW146AD	23 Nov 2023	0908_MW146AD_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	16 Apr 2024	0908_MW146AD_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24		0.04	*1.87*	0.6	**2.47**	2.73	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146AD	23 Sep 2024	0908_MW146AD_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	03 Feb 2016	MW146S_03022016	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW146S	20 Dec 2016	MW146S_GW_20122016	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	26 Mar 2018	MW146S_GW_26032018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	20 Nov 2018	0908_MW146S_181120	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	21 May 2019	0908_MW146S_190521	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	06 Nov 2019	0908_MW146S_191106	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	20 May 2020	0908_MW146S_200520	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	26 Nov 2020	0908_MW146_S_201126	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	09 Nov 2021	0908_MW146S_211109	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	09 Nov 2022	0908_MW146S_221109	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	09 May 2023	0908_MW146S_230509	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	24 Nov 2023	0908_MW146S_231124	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	16 Apr 2024	0908_MW146S_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW146S	23 Sep 2024	0908_MW146S_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	04 Mar 2016	MW147D_04032016	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.5	-	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	02 Feb 2017	MW147D_GW_02022017	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	17 Apr 2018	MW147D_GW_17042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	04 Jun 2019	0908_MW147D_190604	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147D	28 May 2020	0908_MW147D_200528	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	27 May 2021	0908_MW147D_210527	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	17 May 2022	0908_MW147D_220517	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	15 May 2023	0908_MW147D_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147D	22 Apr 2024	0908_MW147D_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	04 Mar 2016	MW147S_04032016	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.5	-	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S	02 Feb 2017	MW147S_GW_02022017	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S	09 Apr 2018	MW147S_GW_09042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	*0.07*	0.18	**0.25**	0.33	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S	04 Jun 2019	0908_MW147S_190604	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW147S	28 May 2020	0908_MW147S_200528	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.03*	0.06	**0.09**	0.18	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	**0.06**	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	27 May 2021	0908_MW147S_210527	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.07	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	17 May 2022	0908_MW147S_220517	Normal	Risk Zone C	NSW_0908_PFASOMP		0.01	*0.03*	0.13	**0.16**	0.25	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	15 May 2023	0908_MW147S_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.03*	0.08	**0.11**	0.18	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW147S	22 Apr 2024	0908_MW147S_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	*0.05*	0.12	**0.17**	0.25	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D	07 Feb 2017	MW150D_GW_07022017	Normal	Risk Zone B	NSW_0908_PFAS		0.04	*0.15*	1.24	**1.39**	2.37	0.11	0.13	0.04	<0.02	0.4	0.06	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D	10 May 2023	0908_MW150D_230510	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.06	*0.25*	1.81	**2.06**	2.96	0.18	0.22	0.06	<0.02	<0.1	0.06	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150D	16 Apr 2024	0908_MW150D_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150S	01 Feb 2016	MW150_01022016	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW150S	07 Feb 2017	MW150S_GW_07022017	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.2*	0.05	**0.25**	0.35	<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150S	10 May 2023	0908_MW150S_230510	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.03*	0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW150S	16 Apr 2024	0908_MW150S_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	21 Jan 2016	MW155_21012016	Normal	-	NSW_0908_PFAS		<0.01	*0.31*	-	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW155	07 Sep 2016	MW155_070916	Normal	-	NSW_0908_PFAS		0.02	*1.1*	0.3	**1.4**	-	<0.01	-	-	<0.01	<0.05	0.03	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW155	19 Oct 2016	MW155_191016	Normal	-	NSW_0908_PFAS		0.01	*1.2*	0.21	**1.41**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155	12 Jan 2017	MW155_120117	Normal	-	ACTNSW_Hist_202012-3		0.02	*1.5*	0.22	**1.72**	-	<0.01	-	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155	13 Jan 2017	MW155_D_120117	Normal	-	ACTNSW_Hist_202012-3		0.01	*1.1*	0.19	**1.29**	-	<0.01	<0.05	0.03	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW155	01 Feb 2017	MW155_GW_010217	Normal	-	NSW_0908_PFAS		0.09	*0.67*	0.07	**0.74**	1.24	<0.05	<0.05	<0.05	<0.05	<0.1	0.15	0.1	0.09	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW155	20 Apr 2018	MW155_GW_20042018	Normal	-	NSW_0908_PFAS		<0.01	*0.69*	0.39	**1.08**	1.2	<0.02	0.03	<0.02	<0.02	<0.1	0.04	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	21 Nov 2018	0908_MW155_181121	Normal	-	NSW_0908_PFAS		0.01	*0.64*	0.35	**0.99**	1.1	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	28 May 2019	0908_MW155_190528	Normal	-	NSW_0908_PFAS		<0.01	*1.26*	0.25	**1.51**	1.61	<0.02	<0.02	<0.02	<0.02	<0.1	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	12 May 2020	0908_MW155_200512	Normal	-	NSW_0908_PFASOMP		<0.01	*0.87*	0.37	**1.24**	1.51	<0.02	0.02	<0.02	<0.02	0.1	0.09	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	24 May 2021	0908_MW155_210524	Normal	-	NSW_0908_PFASOMP		0.02	*0.61*	0.47	**1.08**	1.81	<0.02	<0.02	0.02	<0.02	0.3	0.20	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	08 May 2023	0908_MW155_230508	Normal	-	NSW_0908_PFASOMP_23		0.08	*1.23*	0.2	**1.43**	2.11	<0.02	<0.02	<0.02	<0.02	0.2	0.20	0.12	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_MW155_240731	Normal	-	NSW_0908_PFASOMP_24		0.02	*0.55*	0.21	**0.76**	0.82	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_QC101_240731	Field_D	-	NSW_0908_PFASOMP_24		0.02	*0.56*	0.17	**0.73**	0.80	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW155	31 Jul 2024	0908_QC201_240731	Interlab_D	-	NSW_0908_PFASOMP_24		0.02	*0.45*	0.19	**0.65**	0.78	<0.01	0.01	0.01	<0.02	0.02	0.03	0.02	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW159D	31 Jan 2017	MW159D_GW_31012017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW159D	27 Apr 2018	MW159D_GW_27042018	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	21 Nov 2018	0908_MW159D_181121	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	21 Nov 2018	0908_QC103_181121	Field_D	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	23 May 2019	0908_MW159D_190523	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	23 May 2019	0908_MW159D_190523	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	14 May 2020	0908_MW159D_200514	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	19 May 2021	0908_MW159D_210519	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	01 Jun 2022	0908_MW159D_220601	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	11 May 2023	0908_MW159D_230511	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_MW159D_240731	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC100_240731	Field_D	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159D	31 Jul 2024	0908_QC200_240731	Interlab_D	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW159S	09 Feb 2016	MW159_09022016	Normal	-	NSW_0908_PFAS	<0.01	*0.03*	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW159S	09 Feb 2016	QC131_WG_09022016	Field_D	-	NSW_0908_PFAS	<0.01	*0.02*	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW159S	31 Jan 2017	MW159_GW_31012017	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	27 Apr 2018	MW159S_GW_27042018	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	21 Nov 2018	0908_MW159S_181121	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	23 May 2019	0908_MW159S_190523	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	14 May 2020	0908_MW159S_200514	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	19 May 2021	0908_MW159S_210519	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	01 Jun 2022	0908_MW159S_220601	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	11 May 2023	0908_MW159S_230511	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW159S	31 Jul 2024	0908_MW159S_240731	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	07 Mar 2016	MW160_07032016	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW160	30 Jan 2017	MW160_GW_30012017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	27 Apr 2018	MW160_GW_27042018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	21 Nov 2018	0908_MW160_181121	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	06 Nov 2019	0908_MW160_191106	Normal	Risk Zone C	NSW_0908_PFASOMP	0.02	*3.11*	0.19	**3.3**	3.39	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	14 May 2020	0908_MW160_200514	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	17 Nov 2020	0908_MW160_201117	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	24 May 2021	0908_MW160_210524	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	15 Nov 2021	0908_MW160_211115	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	15 Nov 2021	0908_QC206_211115	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW160	31 May 2022	0908_MW160_220531	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	31 May 2022	0908_QC119_220531	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.01*	0.04	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	08 Nov 2022	0908_MW160_221108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	11 May 2023	0908_MW160_230511	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	23 Nov 2023	0908_MW160_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	22 Apr 2024	0908_MW160_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24	0.03	*0.98*	0.14	**1.12**	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW160	26 Sep 2024	0908_MW160_240926	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	26 Feb 2016	MW161D_26022016	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	*0.04*	0.02	0.06	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW161D	26 Feb 2016	MW161D_26022016	Normal	Risk Zone B	NSW_0908_PFAS	-	*0.13*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW161D	08 Feb 2017	MW161D_GW_08022017	Normal	Risk Zone B	NSW_0908_PFAS	0.14	*3.78*	1.8	**5.58**	6.65	0.13	0.17	0.16	<0.02	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	30 May 2019	0908_MW161D_190530	Normal	Risk Zone B	NSW_0908_PFAS	0.08	*2.85*	1.03	**3.88**	4.55	0.09	0.1	0.1	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	21 May 2020	0908_MW161D_200521	Normal	Risk Zone B	NSW_0908_PFASOMP	0.06	*2.22*	1.01	**3.23**	3.85	0.10	0.09	0.06	<0.02	<0.1	0.06	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	26 May 2021	0908_MW161D_210526	Normal	Risk Zone B	NSW_0908_PFASOMP	0.05	*1.6*	0.86	**2.46**	2.97	0.07	0.08	0.06	<0.02	<0.1	0.05	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	01 Jun 2022	0908_MW161D_220601	Normal	Risk Zone B	NSW_0908_PFASOMP	0.06	*1.94*	0.85	**2.79**	3.30	0.06	0.09	0.08	<0.02	<0.1	0.04	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	11 May 2023	0908_MW161D_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23	0.05	*1.89*	0.74	**2.63**	3.11	0.06	0.08	0.06	<0.02	<0.1	0.05	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161D	22 Apr 2024	0908_MW161D_240422	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	26 Feb 2016	MW161S_26022016	Normal	Risk Zone B	NSW_0908_PFAS	0.04	*2.26*	1.32	**3.58**	-	0.13	-	-	<0.02	-	-	0.23	0.04	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW161S	26 Feb 2016	MW161S_26022016	Normal	Risk Zone B	NSW_0908_PFAS	0.07	*2.98*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW161S	08 Feb 2017	MW161S_GW_08022017	Normal	Risk Zone B	NSW_0908_PFAS	0.08	*2.66*	1.4	**4.06**	4.75	0.09	0.11	0.06	<0.02	<0.1	0.06	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	30 May 2019	0908_MW161S_190530	Normal	Risk Zone B	NSW_0908_PFAS	0.03	*1.91*	1.09	**3**	3.24	0.03	0.04	0.05	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	21 May 2020	0908_MW161S_200521	Normal	Risk Zone B	NSW_0908_PFASOMP	0.06	*2.39*	1.22	**3.61**	4.28	0.12	0.10	0.07	<0.02	<0.1	0.06	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	26 May 2021	0908_MW161S_210526	Normal	Risk Zone B	NSW_0908_PFASOMP	0.05	*3.64*	0.96	**4.6**	5.14	0.06	0.08	0.08	<0.02	<0.1	0.05	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	01 Jun 2022	0908_MW161S_220601	Normal	Risk Zone B	NSW_0908_PFASOMP	0.07	*2.39*	0.84	**3.23**	3.74	0.05	0.07	0.09	<0.02	<0.1	0.04	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	11 May 2023	0908_MW161S_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23	0.04	*1.84*	0.72	**2.56**	2.91	0.03	0.04	0.04	<0.02	<0.1	0.04	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW161S	22 Apr 2024	0908_MW161S_240422	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW162D	29 Jan 2016	MW162D_29012016	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW162D	10 Jan 2017	MW162D_GW_10012017	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	27 Mar 2018	MW162D_GW_27032018	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	20 Nov 2018	0908_MW162D_181120	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	22 May 2019	0908_MW162D_190522	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	04 Nov 2019	0908_MW162D_191104	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2020	0908_MW162D_200518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	23 Nov 2020	0908_MW162_D_201123	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2021	0908_MW162D_210518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2021	0908_QC104_210518	Field_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	12 Nov 2021	0908_MW162D_211112	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2022	0908_MW162D_220518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	18 May 2022	0908_QC208_220518	Interlab_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	07 Nov 2022	0908_MW162D_221107	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	09 May 2023	0908_MW162D_230509	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	09 May 2023	0908_QC215_230509	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	21 Nov 2023	0908_MW162D_231121	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	21 Nov 2023	0908_QC100_231121	Field_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162D	21 Nov 2023	0908_QC200_231121	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW162D	16 Apr 2024	0908_MW162D_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	29 Jan 2016	MW162S_29012016	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-
MW162S	10 Jan 2017	MW162S_GW_10012017	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	27 Mar 2018	MW162S_GW_27032018	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	21 Nov 2018	0908_MW162S_181121	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	22 May 2019	0908_MW162S_190522	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	04 Nov 2019	0908_MW162S_191104	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2020	0908_MW162S_200518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	23 Nov 2020	0908_MW162_S_201123	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2021	0908_MW162S_210518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	12 Nov 2021	0908_MW162S_211112	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2022	0908_MW162S_220518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	18 May 2022	0908_QC108_220518	Field_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	07 Nov 2022	0908_MW162S_221107	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	09 May 2023	0908_MW162S_230509	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	09 May 2023	0908_QC115_230509	Field_D	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	21 Nov 2023	0908_MW162S_231121	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW162S	16 Apr 2024	0908_MW162S_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	05 Feb 2016	MW163_05022016	Normal	Risk Zone D	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW163	07 Feb 2017	MW163_GW_070217	Normal	Risk Zone D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	10 Apr 2018	MW163_GW_10042018	Normal	Risk Zone D	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	26 Nov 2018	0908_MW163_181126	Normal	Risk Zone D	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	27 May 2019	0908_MW163_190527	Normal	Risk Zone D	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	01 Nov 2019	0908_MW163_191101	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW163	18 May 2020	0908_MW163_200518	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	25 Nov 2020	0908_MW163_201125	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	20 May 2021	0908_MW163_210520	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	11 Nov 2021	0908_MW163_211111	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	11 Nov 2021	0908_QC204_211111	Interlab_D	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW163	19 May 2022	0908_MW163_220519	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	07 Nov 2022	0908_MW163_221107	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	09 May 2023	0908_MW163_230509	Normal	Risk Zone D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	28 Nov 2023	0908_MW163_231128	Normal	Risk Zone D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW163	16 Apr 2024	0908_MW163_240416	Normal	Risk Zone D	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 Jan 2016	MW166_13012016	Normal	-	NSW_0908_PFAS	0.07	*27.4*	-	**27.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW166	01 Sep 2016	MW166_010916	Normal	-	NSW_0908_PFAS	0.06	*28*	0.78	**28.78**	-	0.09	-	-	<0.01	<0.05	0.03	0.16	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW166	01 Sep 2016	QC106_010916	Field_D	-	NSW_0908_PFAS	0.03	*13*	0.35	**13.35**	-	0.04	-	-	<0.01	<0.05	0.02	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW166	12 Oct 2016	MW166_121016	Normal	-	NSW_0908_PFAS	0.04	*20*	0.68	**20.68**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_170117	Normal	-	ACTNSW_Hist_202012-3	0.4	*120*	6.2	**126.2**	-	0.16	-	-	<0.04	0.06	0.1	0.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.2	<0.04	-	<0.05	-	<0.05	-	-	<0.05	-

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW166	17 Jan 2017	MW166_170117	Normal	-	NSW_0908_PFAS		0.4	*120*	6.2	**126.2**	-	0.16	-	-	<0.01	0.06	0.1	0.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW166	17 Jan 2017	MW166_GW_17012017	Normal	-	NSW_0908_PFAS		0.1	*21.3*	0.62	**21.9**	22.4	0.04	0.07	0.08	<0.02	<0.1	0.03	0.14	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	17 Jan 2017	MW166_GW_17012017	Normal	-	NSW_0908_PFAS		-	-	-	**21.92**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW166	03 May 2017	MW166_030517	Normal	-	ACTNSW_Hist_202012-3		0.06	*12*	0.52	**12.52**	-	0.03	0.03	0.06	<0.01	<0.05	0.03	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW166	04 Apr 2018	MW166_GW_04042018	Normal	-	NSW_0908_PFAS		0.05	*23.5*	0.68	**24.2**	24.5	0.04	0.04	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	04 Apr 2018	MW166_GW_04042018	Normal	-	NSW_0908_PFAS		-	-	-	**24.18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW166	29 Nov 2018	0908_MW166_181129	Normal	-	NSW_0908_PFAS		0.03	*17.8*	0.3	**18.1**	18.2	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	01 Apr 2019	0908_MW166_190401	Normal	-	NSW_0908_PFASMGMT		0.04	*17.6*	0.26	**17.9**	18.0	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	20 Jun 2019	0908_MW166_190620	Normal	-	NSW_0908_PFASMGMT		0.04	*14.3*	0.28	**14.6**	14.7	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	24 Sep 2019	0908_MW166_190924	Normal	-	NSW_0908_PFASMGMT		0.04	*18.2*	0.32	**18.5**	18.7	0.02	0.03	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	06 Nov 2019	0908_MW166_191107	Normal	-	NSW_0908_PFASOMP		0.04	*14.6*	0.35	**15**	15.2	0.04	0.03	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	29 Nov 2019	0908_MW166_191129	Normal	-	NSW_0908_PFASMGMT		0.04	*14.6*	0.25	**14.8**	15.0	0.02	0.02	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 Mar 2020	0908_MW166_200313	Normal	-	NSW_0908_PFASMGMT		0.04	*14.8*	0.42	**15.2**	15.5	0.03	0.05	0.04	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	13 May 2020	0908_MW166_200513	Normal	-	NSW_0908_PFASOMP		0.04	*17.6*	0.28	**17.9**	18.1	0.02	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	16 Nov 2020	0908_MW166_201116	Normal	-	NSW_0908_PFASOMP		0.03	*15.2*	0.43	**15.6**	15.8	0.04	0.04	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 May 2021	0908_MW166_210518	Normal	-	NSW_0908_PFASOMP		0.11	*12.1*	2.26	**14.4**	14.9	0.04	0.06	0.08	<0.02	<0.1	0.03	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 Nov 2021	0908_MW166_211118	Normal	-	NSW_0908_PFASMGMT		0.05	*13.7*	0.82	**14.5**	14.8	0.02	0.03	0.05	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	18 Nov 2021	0908_MW166_211118	Normal	-	NSW_0908_PFASOMP		0.05	*14*	0.89	**14.9**	15.2	0.02	0.04	0.06	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	25 May 2022	0908_MW166_220525	Normal	-	NSW_0908_PFASMGMT		0.11	*14.5*	1.33	**15.8**	16.6	0.03	0.04	0.07	<0.02	<0.1	0.07	0.39	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	25 May 2022	0908_MW166_220525	Normal	-	NSW_0908_PFASOMP		0.09	*12.6*	1.02	**13.6**	14.0	0.02	0.04	0.07	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	09 Nov 2022	0908_MW166_221109	Normal	-	NSW_0908_PFASOMP		0.08	*6.74*	0.84	**7.58**	7.95	<0.02	0.02	0.08	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	10 May 2023	0908_MW166_230510	Normal	-	NSW_0908_PFASOMP_23		0.05	*18.6*	0.27	**18.9**	19.0	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	22 Nov 2023	0908_MW166_231122	Normal	-	NSW_0908_PFASOMP_23		0.02	*8.45*	0.11	**8.56**	8.65	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	17 Apr 2024	0908_MW166_240417	Normal	-	NSW_0908_PFASOMP_24		0.02	*12*	0.21	**12.2**	12.3	<0.02	<0.02	0.03	0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW166	24 Sep 2024	0908_MW166_240924	Normal	-	NSW_0908_PFASOMP_24		0.02	*12.2*	0.21	**12.4**	12.5	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 Jan 2016	MW167_13012016	Normal	-	NSW_0908_PFAS		**0.61**	*164*	10.3	**174.3**	-	0.77	-	-	<0.02	-	-	3.05	0.17	0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW167	01 Sep 2016	MW167_010916	Normal	-	NSW_0908_PFAS		**1.6**	*120*	24	**144**	-	<0.01	-	-	<0.01	<0.05	<0.01	5.5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW167	01 Sep 2016	QC108_010916	Field_D	-	NSW_0908_PFAS		**1.9**	*150*	27	**177**	-	1.2	-	-	<0.01	<0.05	<0.01	6.2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW167	12 Oct 2016	MW167_121016	Normal	-	NSW_0908_PFAS		<0.01	*110*	19	**129**	-	<0.01	-	-	<0.01	<0.05	<0.01	3.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW167	17 Jan 2017	MW167_170117	Normal	-	ACTNSW_Hist_202012-3		**3.4**	*240*	32	**272**	-	<3	-	-	<3	<15	<3	4.7	<3	<3	<3	<3	<3	<3	<3	<3	<15	6.1	-	<15	-	<15	-	-	<15	-
MW167	17 Jan 2017	MW167_170117	Normal	-	NSW_0908_PFAS		**3.4**	*240*	32	**272**	-	<0.01	-	-	<0.01	<0.05	<0.01	4.7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	6.1	-	<0.05	-	<0.05	-	-	<0.05	-
MW167	17 Jan 2017	MW167_GW_17012017	Normal	-	NSW_0908_PFAS		**4.31**	*276*	26.5	**302**	322	1.26	2.39	2.26	<0.02	<0.1	1.19	7.41	0.95	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	17 Jan 2017	MW167_GW_17012017	Normal	-	NSW_0908_PFAS		-	-	-	**302.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	18 Jan 2017	MW167_GW_18012017	Normal	-	NSW_0908_PFAS		**5.58**	*440*	82.5	**522**	547	2.1	2.7	3.28	<0.02	<0.1	1.33	8.74	0.95	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Jan 2017	MW167_GW_18012017	Normal	-	NSW_0908_PFAS		-	-	-	**522.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	03 May 2017	MW167_030517	Normal	-	ACTNSW_Hist_202012-3		**3.3**	*150*	26	**176**	-	2.1	2.5	2.6	1.7	1.5	1.7	5.6	2.1	1.7	1.6	1.8	1.6	1.5	2	1.4	1.7	1.5	1.2	<1.5	<1.5	<0.3	<1.5	<1.5	<1.5	<1.5
MW167	03 May 2017	QC102_030517	Field_D	-	ACTNSW_Hist_202012-3		**2.3**	*240*	31	**271**	-	1.1	1.7	1.4	<0.3	0.46	0.84	5.2	0.96	<0.3	<0.3	<0.3	<0.3	0.22	<0.3	<0.3	0.32	<0.3	<0.3	<1.5	<1.5	<0.3	<1.5	<1.5	<1.5	<1.5
MW167	23 Nov 2017	0908_MW167_231117	Normal	-	NSW_0908_PFAS		**5.24**	*426*	37.5	**464**	487	0.71	1.39	8.82	<0.02	0.2	0.63	5.25	0.70	0.13	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Nov 2017	0908_MW167_231117	Normal	-	NSW_0908_PFAS		-	-	-	**463.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	23 Nov 2017	0908_QC100_231117	Field_D	-	NSW_0908_PFAS		**5.25**	*358*	37.9	**396**	418	0.68	1.48	7.86	<0.02	0.1	0.59	4.98	0.68	0.14	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Nov 2017	0908_QC100_231117	Field_D	-	NSW_0908_PFAS		-	-	-	**395.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	18 Apr 2018	MW167_GW_18042018	Normal	-	NSW_0908_PFAS		**3.02**	*465*	30.6	**496**	514	1.22	1.89	2.8	<0.1	<0.5	0.65	8.02	0.55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW167	18 Apr 2018	MW167_GW_18042018	Normal	-	NSW_0908_PFAS		-	-	-	**495.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	08 Aug 2018	0908_MW167_180808	Normal	-	NSW_0908_PFASMGMT		**0.87**	*102*	6.67	**109**	113	0.22	0.33	1.16	<0.02	<0.1	0.22	1.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	04 Sep 2018	0908_MW167_180905	Normal	-	NSW_0908_PFASMGMT		**1.91**	*274*	16.4	**290**	300	0.55	1.00	1.35	<0.10	<0.5	0.34	4.40	0.45	<0.10	<0.10	<0.10	<0.10	<0.10	<0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.25	<0.10	<0.25	<0.25	<0.10	<0.25
MW167	02 Oct 2018	0908_MW167_181002	Normal	-	NSW_0908_PFASMGMT		**6.85**	*522*	25.4	**547**	576	1.39	2.28	8.07	<0.02	0.5	1.36	7.55	0.87	0.15	0.04	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_MW167_181129	Normal	-	NSW_0908_PFAS		**4.56**	*372*	26.4	**398**	415	0.63	0.86	6.06	<0.02	0.2	0.54	3.28	0.59	0.08	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_MW167_181129	Normal	-	NSW_0908_PFAS		-	-	-	**398.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	29 Nov 2018	0908_QC107_181129	Field_D	-	NSW_0908_PFAS		**3.95**	*346*	25.8	**372**	387	0.59	0.82	5.28	<0.02	0.2	0.48	3.08	0.56	0.07	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2018	0908_QC107_181129	Field_D	-	NSW_0908_PFAS		-	-	-	**371.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	22 Jan 2019	0908_MW167_190122	Normal	-	NSW_0908_PFASMGMT		**2.46**	*490*	16.4	**506**	517	0.71	0.94	2.30	<0.02	<0.1	0.40	3.24	0.50	0.09	0.03	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	02 Apr 2019	0908_MW167_190402	Normal	-	NSW_0908_PFASMGMT		**1.63**	*546*	17.2	**563**	576	0.85	0.72	4.23	<0.02	0.2	0.43	3.77	0.46	0.10	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	30 May 2019	0908_MW167_190530	Normal	-	NSW_0908_PFAS		**1.25**	*391*	11.3	**402**	407	0.31	0.46	0.77	0.04	<0.1	0.26	1.63	0.24	0.05	0.03	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	30 May 2019	0908_MW167_190530	Normal	-	NSW_0908_PFAS		-	-	-	**402.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW167	19 Jun 2019	0908_MW167_190619	Normal	-	NSW_0908_PFASMGMT		**0.9**	*412*	9.44	**421**	425	0.22	0.48	0.6	<0.02	<0.1	0.17	1.08	0.18	<0.02	0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	23 Sep 2019	0908_QC200_190923	Interlab_D	-	NSW_0908_PFASMGMT		0.092	*4.9*	1.8	**6.7**	-	0.063	0.097	0.053	<0.01	<0.05	0.026	0.16	0.032	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW167	24 Sep 2019	0908_MW167_190924	Normal	-	NSW_0908_PFASMGMT		0.56	*219*	3.56	**222**	224	0.12	0.19	0.42	<0.02	<0.1	0.06	0.35	0.07	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	24 Sep 2019	0908_QC101_190924	Field_D	-	NSW_0908_PFASMGMT		**0.74**	*199*	4.36	**203**	206	0.15	0.21	0.48	<0.02	<0.1	0.06	0.44	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW167	06 Nov 2019	0908_MW167_191107	Normal	-	NSW_0908_PFASOMP		0.54	*158*	2.18	**160**	162	0.09	0.13	0.26	<0.02	<0.1	0.05	0.28	0.05	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	29 Nov 2019	0908_MW167_191129	Normal	-	NSW_0908_PFASMGMT		**0.57**	*200*	2.01	**202**	203	0.08	0.10	0.38	<0.02	<0.1	0.02	0.26	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	16 Mar 2020	0908_MW167_200316	Normal	-	NSW_0908_PFASMGMT		**0.66**	*196*	2.03	**198**	200	0.08	0.10	0.52	<0.05	<0.2	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW167	13 May 2020	0908_MW167_200513	Normal	-	NSW_0908_PFASOMP		0.53	*161*	2.13	**163**	165	0.05	0.32	0.47	<0.02	<0.1	0.04	0.46	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 May 2020	0908_QC101_200513	Field_D	-	NSW_0908_PFASOMP		**0.57**	*172*	2.19	**174**	176	0.06	0.32	0.48	<0.02	<0.1	0.04	0.46	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	13 May 2020	0908_QC201_200513	Interlab_D	-	NSW_0908_PFASOMP		0.39	*110*	1.5	**111.5**	-	0.045	0.082	0.30	<0.01	<0.05	0.039	0.34	0.030	0.015	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW167	16 Nov 2020	0908_MW167_201116	Normal	-	NSW_0908_PFASOMP		0.19	*72.1*	1.2	**73.3**	74.0	0.03	0.06	0.23	<0.02	<0.1	0.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 May 2021	0908_MW167_210518	Normal	-	NSW_0908_PFASOMP		0.24	*63.8*	1.21	**65**	65.9	0.04	0.08	0.20	<0.02	<0.1	0.05	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Nov 2021	0908_MW167_211118	Normal	-	NSW_0908_PFASMGMT		0.08	*64.8*	0.58	**65.4**	65.7	<0.02	0.03	0.11	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	18 Nov 2021	0908_MW167_211118	Normal	-	NSW_0908_PFASOMP		0.06	*45*	0.5	**45.5**	45.8	<0.02	0.03	0.15	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	25 May 2022	0908_MW167_220525	Normal	-	NSW_0908_PFASMGMT		0.03	*1.9*	0.27	**2.17**	2.27	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	25 May 2022	0908_MW167_220525	Normal	-	NSW_0908_PFASOMP		0.02	*2.44*	0.31	**2.75**	2.83	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	21 Jun 2022	0908_MW167_220621	Normal	-	NSW_0908_PFASMGMT		0.04	*84.6*	0.11	**84.7**	84.8	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	09 Nov 2022	0908_MW167_221109	Normal	-	NSW_0908_PFASOMP		0.02	*22.8*	0.18	**23**	23.0	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	10 May 2023	0908_MW167_230510	Normal	-	NSW_0908_PFASOMP_23		0.02	*29.3*	0.41	**29.7**	29.8	0.02	0.05	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	22 Nov 2023	0908_MW167_231122	Normal	-	NSW_0908_PFASOMP_23		0.05	*45.8*	0.55	**46.4**	46.7	0.03	0.03	0.03	<0.02	<0.1	0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	17 Apr 2024	0908_MW167_240417	Normal	-	NSW_0908_PFASOMP_24		0.05	*27.6*	0.5	**28.1**	28.4	<0.02	0.04	0.06	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW167	24 Sep 2024	0908_MW167_240924	Normal	-	NSW_0908_PFASOMP_24		0.10	*24.5*	0.91	**25.4**	25.8	<0.02	0.04	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 Jan 2016	MW168_13012016	Normal	-	NSW_0908_PFAS		0.18	*42.9*	-	**42.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW168	02 Sep 2016	MW168_020916	Normal	-	NSW_0908_PFAS		0.2	*48*	2.4	**50.4**	-	<0.01	-	-	<0.01	<0.05	0.04	0.35	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW168	02 Sep 2016	QC110_020916	Field_D	-	NSW_0908_PFAS		0.23	*61*	2.4	**63.4**	-	0.08	-	-	<0.01	<0.05	0.05	0.4	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW168	12 Oct 2016	MW168_121016	Normal	-	NSW_0908_PFAS		<0.01	*31*	14	**45**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_170117	Normal	-	ACTNSW_Hist_202012-3		0.05	*20*	0.52	**20.52**	-	0.03	-	-	<0.04	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	0.21	<0.04	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_170117	Normal	-	NSW_0908_PFAS		0.05	*20*	0.52	**20.52**	-	0.03	-	-	<0.01	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.21	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW168	17 Jan 2017	MW168_GW_17012017	Normal	-	NSW_0908_PFAS		0.56	*90.8*	3.63	**94.4**	97.2	0.11	0.22	0.38	0.14	<0.1	0.16	1	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	17 Jan 2017	MW168_GW_17012017	Normal	-	NSW_0908_PFAS		-	-	-	**94.43**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	03 May 2017	MW168_030517	Normal	-	ACTNSW_Hist_202012-3		0.56	*59*	9.9	**68.9**	-	<0.01	0.53	0.36	<0.01	<0.05	0.15	1.9	0.35	0.02	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW168	23 Apr 2018	MW168_GW_23042018	Normal	-	NSW_0908_PFAS		0.3	*78.3*	4.91	**83.2**	85.6	0.1	0.18	0.36	0.16	<0.1	0.1	1.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	23 Apr 2018	MW168_GW_23042018	Normal	-	NSW_0908_PFAS		-	-	-	**83.21**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	08 Aug 2018	0908_MW168_180808	Normal	-	NSW_0908_PFASMGMT		0.30	*29.5*	3.15	**32.6**	34.1	0.07	0.13	0.19	0.25	<0.1	0.06	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_MW168_180903	Normal	-	NSW_0908_PFASMGMT		**1.24**	*58.2*	15.5	**73.7**	78.0	0.15	0.34	0.49	0.14	<0.1	0.18	1.42	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	0.06	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_QC100_180903	Field_D	-	NSW_0908_PFASMGMT		**1.30**	*56.9*	14	**70.9**	75.4	0.14	0.36	0.47	0.16	<0.1	0.19	1.49	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	0.06	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	03 Sep 2018	0908_QC200-180903	Interlab_D	-	NSW_0908_PFASMGMT		**1.0**	*48*	10	**58**	-	0.14	0.26	0.18	<0.01	0.12	0.19	1.3	0.25	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.055	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	02 Oct 2018	0908_MW168_181002	Normal	-	NSW_0908_PFASMGMT		0.34	*75.5*	4.41	**79.9**	82.5	0.14	0.24	0.40	<0.02	<0.1	0.15	1.21	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	02 Oct 2018	0908_QC104_181002	Field_D	-	NSW_0908_PFASMGMT		0.35	*66.7*	4.68	**71.4**	74.1	0.14	0.23	0.44	<0.02	<0.1	0.16	1.22	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	02 Oct 2018	0908_QC204_181002	Interlab_D	-	NSW_0908_PFASMGMT		0.23	*61*	3	**64**	-	0.10	0.16	0.16	<0.01	<0.05	0.11	0.79	0.080	0.012	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.015	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	29 Nov 2018	0908_MW168_181129	Normal	-	NSW_0908_PFAS		0.08	*34.2*	1.36	**35.6**	36.3	0.04	0.08	0.08	<0.02	<0.1	0.04	0.37	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2018	0908_MW168_181129	Normal	-	NSW_0908_PFAS		-	-	-	**35.56**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	29 Nov 2018	0908_QC108_181129	Field_D	-	NSW_0908_PFAS		0.25	*11.6*	3.75	**15.4**	17.6	0.3	0.34	0.22	<0.02	<0.1	0.19	0.83	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2018	0908_QC108_181129	Field_D	-	NSW_0908_PFAS		-	-	-	**15.35**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	22 Jan 2019	0908_MW168_190122	Normal	-	NSW_0908_PFASMGMT		0.10	*41.5*	3.07	**44.6**	45.9	0.10	0.16	0.12	<0.02	<0.1	0.06	0.71	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	01 Apr 2019	0908_MW168_190401	Normal	-	NSW_0908_PFASMGMT		0.11	*24.6*	2.25	**26.8**	27.4	0.06	0.07	0.10	<0.02	<0.1	0.02	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	31 May 2019	0908_MW168_190531	Normal	-	NSW_0908_PFAS		0.07	*23.3*	1.28	**24.58**	24.9	0.03	0.06	0.07	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	31 May 2019	0908_MW168_190531	Normal	-	NSW_0908_PFAS		-	-	-	**24.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW168	20 Jun 2019	0908_MW168_190620	Normal	-	NSW_0908_PFASMGMT		0.09	*13.5*	1.53	**15**	15.5	0.06	0.09	0.09	<0.02	<0.1	<0.02	0.12	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	24 Sep 2019	0908_MW168S_190924	Normal	-	NSW_0908_PFASMGMT		0.16	*25.9*	2.17	**28.1**	30.3	0.16	0.16	0.14	<0.02	<0.1	0.28	1.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	06 Nov 2019	0908_MW168_191107	Normal	-	NSW_0908_PFASOMP		0.09	*19.6*	1.16	**20.8**	22.6	0.10	0.18	0.10	<0.02	<0.1	0.16	1.15	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_MW168_191129	Normal	-	NSW_0908_PFASMGMT		0.06	*16.5*	1	**17.5**	18.4	0.05	0.10	0.07	<0.02	<0.1	0.07	0.57	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_QC202_191129	Field_D	-	NSW_0908_PFASMGMT		0.06	*15*	0.95	**16**	16.8	0.05	0.09	0.08	<0.02	<0.1	0.07	0.51	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	29 Nov 2019	0908_QC102_191129	Interlab_D	-	NSW_0908_PFASMGMT		0.047	*16*	0.97	**16.97**	-	0.047	0.072	0.052	<0.01	<0.05	0.062	0.40	0.024	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW168	13 Mar 2020	0908_MW168_200313	Normal	-	NSW_0908_PFASMGMT		0.10	*26.1*	1.9	**28**	29.1	0.08	0.12	0.11	<0.02	<0.1	0.09	0.54	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 Mar 2020	0908_QC100_200313	Field_D	-	NSW_0908_PFASMGMT		0.10	*25.4*	1.92	**27.3**	28.4	0.08	0.13	0.12	<0.02	<0.1	0.09	0.52	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	13 May 2020	0908_MW168_200513	Normal	-	NSW_0908_PFASOMP		0.11	*22.3*	2.21	**24.5**	26.5	0.10	0.26	0.11	<0.02	<0.1	0.15	1.16	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	16 Nov 2020	0908_MW168_201116	Normal	-	NSW_0908_PFASOMP		0.25	*2.95*	0.58	**3.53**	4.19	<0.02	<0.02	0.19	0.11	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 May 2021	0908_MW168_210518	Normal	-	NSW_0908_PFASOMP		0.51	*9.84*	4.39	**14.2**	16.3	0.09	0.16	0.27	0.08	<0.1	0.11	0.71	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 Nov 2021	0908_MW168_211118	Normal	-	NSW_0908_PFASMGMT		0.09	*25.6*	1.46	**27.1**	28.0	0.06	0.06	0.11	<0.02	<0.1	0.07	0.54	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	18 Nov 2021	0908_MW168_211118	Normal	-	NSW_0908_PFASOMP		0.15	*20.7*	1.91	**22.6**	24.2	0.10	0.13	0.20	<0.02	<0.1	0.06	0.82	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_MW168_220526	Normal	-	NSW_0908_PFASMGMT		0.32	*14.6*	3.47	**18.1**	19.6	0.06	0.14	0.14	0.05	<0.1	0.07	0.67	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW168	26 May 2022	0908_MW168_220526	Normal	-	NSW_0908_PFASOMP	0.24	*7.87*	3.39	**11.3**	12.5	0.06	0.15	0.13	0.04	<0.1	0.04	0.40	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	26 May 2022	0908_QC203_220526	Interlab_D	-	NSW_0908_PFASMGMT	0.28	*17*	3.6	**21**	22	0.06	0.12	0.18	0.08	0.05	0.07	0.51	0.10	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW168	09 Nov 2022	0908_MW168_221109	Normal	-	NSW_0908_PFASOMP	0.18	*4.24*	0.8	**5.04**	5.78	<0.02	<0.02	0.14	0.03	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	10 May 2023	0908_MW168_230510	Normal	-	NSW_0908_PFASOMP_23	0.44	*44.4*	6.17	**50.6**	52.4	0.07	0.19	0.23	0.06	<0.1	0.04	0.54	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	22 Nov 2023	0908_MW168_231122	Normal	-	NSW_0908_PFASOMP_23	0.07	*9.25*	0.66	**9.91**	10.3	<0.02	0.04	0.03	<0.02	<0.1	0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	17 Apr 2024	0908_MW168_240417	Normal	-	NSW_0908_PFASOMP_24	0.26	*26.5*	2.12	**28.6**	30.5	0.08	0.09	0.20	0.16	<0.1	0.04	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW168	24 Sep 2024	0908_MW168_240924	Normal	-	NSW_0908_PFASOMP_24	**1.97**	*1.98*	2.88	**4.86**	9.00	0.02	0.05	1.20	0.19	<0.1	0.06	0.27	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	13 Jan 2016	MW169D_13012016	Normal	-	NSW_0908_PFAS	0.02	*0.31*	-	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW169D	02 Sep 2016	MW169D_020916	Normal	-	NSW_0908_PFAS	0.05	*0.5*	4.1	**4.6**	-	1.6	-	-	<0.01	0.22	0.45	2.9	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW169D	12 Oct 2016	MW169D_121016	Normal	-	NSW_0908_PFAS	0.05	*0.85*	4.9	**5.75**	-	1.5	-	-	<0.01	0.35	0.47	3.5	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	16 Jan 2017	MW169D_160117	Normal	-	ACTNSW_Hist_202012-3	0.07	*0.47*	4	**4.47**	-	1.5	-	-	<0.01	0.32	0.53	3.4	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	16 Jan 2017	MW169D_160117	Normal	-	NSW_0908_PFAS	0.07	*0.47*	4	**4.47**	-	1.5	-	-	<0.01	0.32	0.53	3.4	0.15	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169D	17 Jan 2017	MW169D_GW_17012017	Normal	-	NSW_0908_PFAS	0.13	*0.65*	6.72	**7.37**	18.6	2.72	2.52	0.12	<0.02	<0.1	1.06	4.33	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	03 May 2017	MW169D_030517	Normal	-	ACTNSW_Hist_202012-3	0.1	*0.82*	7.5	**8.32**	-	0.04	1.9	0.1	<0.01	<0.05	0.82	4.3	0.27	<0.01	<0.01	0.02	0.05	0.05	0.33	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW169D	22 Nov 2017	0908_MW169D_221117	Normal	-	NSW_0908_PFAS	<0.01	*0.28*	7.8	**8.08**	17.2	2.20	2.30	0.03	<0.02	0.2	0.58	3.60	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	30 May 2019	0908_MW169D_190530	Normal	-	NSW_0908_PFAS	<0.01	*0.11*	0.15	**0.26**	0.37	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	06 Nov 2019	0908_MW169D_191107	Normal	-	NSW_0908_PFASOMP	0.09	*0.71*	5.54	**6.25**	12.4	1.46	1.34	0.10	<0.02	0.2	0.58	2.22	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	06 Nov 2019	0908_QC103_191107	Field_D	-	NSW_0908_PFASOMP	0.09	*0.67*	5.44	**6.11**	12.2	1.37	1.20	0.09	<0.02	0.2	0.49	2.48	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	07 Nov 2019	0908_QC203_191107	Interlab_D	-	NSW_0908_PFASOMP	0.062	*0.52*	5.2	**5.72**	-	1.2	0.95	0.049	<0.01	0.23	0.43	1.9	0.12	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.074	<0.01	<0.01	<0.01	<0.05	<0.01	<0.05	<0.05	<0.01	<0.05
MW169D	13 May 2020	0908_MW169D_200513	Normal	-	NSW_0908_PFASOMP	0.03	*0.28*	2.18	**2.46**	4.80	0.47	0.56	0.03	<0.02	<0.1	0.18	1.01	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	16 Nov 2020	0908_MW169_D_201116	Normal	-	NSW_0908_PFASOMP	<0.01	*0.06*	0.33	**0.39**	0.79	0.08	0.06	<0.02	<0.02	<0.1	0.03	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	18 May 2021	0908_MW169D_210518	Normal	-	NSW_0908_PFASOMP	<0.01	*0.09*	0.43	**0.52**	1.08	0.12	0.09	<0.02	0.04	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	16 Nov 2021	0908_MW169D_211116	Normal	-	NSW_0908_PFASOMP	<0.01	*0.08*	0.21	**0.29**	0.58	0.08	0.04	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	19 May 2022	0908_MW169D_220519	Normal	-	NSW_0908_PFASOMP	<0.01	*0.08*	0.1	**0.18**	0.24	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_MW169D_221109	Normal	-	NSW_0908_PFASOMP	<0.01	*0.06*	0.12	**0.18**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_QC113_221109	Field_D	-	NSW_0908_PFASOMP	<0.01	*0.08*	0.19	**0.27**	0.37	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	09 Nov 2022	0908_QC213_221109	Interlab_D	-	NSW_0908_PFASOMP	<0.01	*0.06*	0.16	**0.22**	0.32	0.02	0.03	<0.01	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169D	10 May 2023	0908_MW169D_230510	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.06*	0.06	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_MW169D_231122	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.05	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_QC106_231122	Field_D	-	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.05	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	22 Nov 2023	0908_QC206_231122	Interlab_D	-	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.05	**0.09**	0.11	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169D	17 Apr 2024	0908_MW169D_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_MW169D_240924	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.08*	0.10	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_QC108_240924	Field_D	-	NSW_0908_PFASOMP_24	<0.01	*0.07*	0.09	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169D	24 Sep 2024	0908_QC208_240924	Interlab_D	-	NSW_0908_PFASOMP_24	<0.01	*0.08*	0.1	**0.18**	0.20	<0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW169S	13 Jan 2016	MW169S_13012016	Normal	-	NSW_0908_PFAS	0.05	*0.2*	-	**0.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW169S	02 Sep 2016	MW169S_020916	Normal	-	NSW_0908_PFAS	0.01	*0.2*	0.4	**0.6**	-	0.02	-	-	<0.01	<0.05	0.02	0.13	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW169S	12 Oct 2016	MW169S_121016	Normal	-	NSW_0908_PFAS	0.01	*0.23*	0.38	**0.61**	-	0.02	-	-	<0.01	<0.05	0.02	0.14	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	16 Jan 2017	MW169S_160117	Normal	-	ACTNSW_Hist_202012-3	0.06	*0.11*	0.51	**0.62**	-	0.02	-	-	<0.01	<0.05	0.03	0.19	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	16 Jan 2017	MW169S_160117	Normal	-	NSW_0908_PFAS	0.06	*0.11*	0.51	**0.62**	-	0.02	-	-	<0.01	<0.05	0.03	0.19	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW169S	17 Jan 2017	MW169S_GW_17012017	Normal	-	NSW_0908_PFAS	0.08	*0.16*	0.68	**0.84**	1.4	<0.02	0.05	0.1	<0.02	<0.1	0.05	0.22	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	03 May 2017	MW169S_030517	Normal	-	ACTNSW_Hist_202012-3	0.05	*0.18*	0.88	**1.06**	-	0.07	0.07	0.06	<0.01	<0.05	0.03	0.17	0.03	<0.01	0.01	0.02	0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW169S	05 Sep 2018	0908_MW169S_180905	Normal	-	NSW_0908_PFASMGMT	0.06	*0.08*	0.86	**0.94**	1.27	0.02	0.03	0.05	<0.02	<0.1	0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	22 Jan 2019	0908_MW169S_190122	Normal	-	NSW_0908_PFASMGMT	0.03	*0.05*	0.56	**0.61**	1.23	0.02	0.02	0.05	<0.02	0.4	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	30 May 2019	0908_MW169S_190530	Normal	-	NSW_0908_PFAS	0.03	*0.17*	0.35	**0.52**	0.69	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	24 Sep 2019	0908_MW169S_190924	Normal	-	NSW_0908_PFASMGMT	0.02	*0.1*	0.46	**0.56**	0.72	<0.02	0.03	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	06 Nov 2019	0908_MW169S_191107	Normal	-	NSW_0908_PFASOMP	0.02	*0.15*	0.37	**0.52**	0.62	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	13 May 2020	0908_MW169S_200513	Normal	-	NSW_0908_PFASOMP	<0.05	*0.31*	0.26	**0.57**	0.62	<0.05	<0.05	0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW169S	16 Nov 2020	0908_MW169_S_201116	Normal	-	NSW_0908_PFASOMP	<0.01	*0.13*	0.21	**0.34**	0.39	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	18 May 2021	0908_MW169S_210518	Normal	-	NSW_0908_PFASOMP	0.02	*0.11*	0.27	**0.38**	0.57	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	16 Nov 2021	0908_MW169S_211116	Normal	-	NSW_0908_PFASOMP	0.01	*0.11*	0.15	**0.26**	0.42	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	19 May 2022	0908_MW169S_220519	Normal	-	NSW_0908_PFASOMP	0.01	*0.12*	0.13	**0.25**	0.37	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	09 Nov 2022	0908_MW169S_221109	Normal	-	NSW_0908_PFASOMP	0.01	*0.08*	0.15	**0.23**	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	10 May 2023	0908_MW169S_230510	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.07*	0.16	**0.23**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	22 Nov 2023	0908_MW169S_231122	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.14	**0.18**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	17 Apr 2024	0908_MW169S_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.07*	0.25	**0.32**	0.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW169S	24 Sep 2024	0908_MW169S_240924	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.07*	0.09	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	15 Jan 2016	MW171D_15012016	Normal	-	NSW_0908_PFAS	0.12	*4.97*	-	**4.97**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW171D	31 Aug 2016	MW171D_310816	Normal	-	NSW_0908_PFAS		0.03	*2.2*	0.47	**2.67**	-	0.03	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW171D	12 Oct 2016	MW171D_121016	Normal	-	NSW_0908_PFAS		0.02	*1.5*	0.41	**1.91**	-	0.06	-	-	<0.01	<0.05	<0.01	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171D	13 Jan 2017	MW171D_130117	Normal	-	ACTNSW_Hist_202012-3		0.02	*1.1*	0.33	**1.43**	-	0.08	-	-	<0.01	<0.05	0.02	0.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171D	24 Jan 2017	MW171D_GW_24012017	Normal	-	NSW_0908_PFAS		0.01	*0.18*	0.61	**0.79**	1.34	0.18	0.17	<0.02	<0.02	<0.1	0.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	24 Jan 2017	MW171D_GW_25012017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.42	**0.42**	2.69	0.64	0.37	<0.02	<0.02	<0.1	0.21	1	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	03 May 2017	MW171D_030517	Normal	-	ACTNSW_Hist_202012-3		0.03	*1.8*	0.74	**2.54**	-	<0.01	0.17	0.07	<0.01	<0.05	0.05	0.22	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW171D	04 Apr 2018	MW171D_GW_04042018	Normal	-	NSW_0908_PFAS		<0.01	*0.07*	0.5	**0.57**	1.15	0.16	0.18	<0.02	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	22 Nov 2018	0908_MW171D_181122	Normal	-	NSW_0908_PFAS		0.02	*0.99*	0.2	**1.19**	1.68	<0.02	<0.02	0.03	<0.02	0.4	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	30 May 2019	0908_MW171D_190530	Normal	-	NSW_0908_PFAS		0.03	*2.23*	0.35	**2.58**	2.77	0.04	0.03	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	25 Oct 2019	0908_MW171D_191025	Normal	-	NSW_0908_PFASMGMT		0.09	*2.93*	1	**3.93**	4.36	0.02	0.03	0.14	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	15 May 2020	0908_MW171D_200515	Normal	-	NSW_0908_PFASOMP		0.07	*0.47*	0.73	**1.2**	1.50	<0.02	0.02	0.14	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	17 May 2021	0908_MW171D_210517	Normal	-	NSW_0908_PFASOMP		0.03	*0.03*	0.48	**0.51**	0.84	0.08	0.08	0.03	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	19 May 2022	0908_MW171D_220519	Normal	-	NSW_0908_PFASOMP		0.01	*0.01*	0.93	**0.94**	2.07	0.33	0.30	<0.02	<0.02	<0.1	0.08	0.38	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	10 May 2023	0908_MW171D_230510	Normal	-	NSW_0908_PFASOMP_23		<0.01	*0.04*	0.47	**0.51**	1.00	0.14	0.12	<0.02	<0.02	<0.1	0.05	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171D	17 Apr 2024	0908_MW171D_240417	Normal	-	NSW_0908_PFASOMP_24		0.03	*0.04*	1.48	**1.52**	3.56	0.50	0.41	<0.02	<0.02	<0.1	0.14	0.64	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	15 Jan 2016	MW171S_15012016	Normal	-	NSW_0908_PFAS		0.22	*0.89*	-	**0.89**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW171S	31 Aug 2016	MW171S_310816	Normal	-	NSW_0908_PFAS		0.23	*1.6*	2.6	**4.2**	-	0.27	-	-	<0.01	<0.05	0.05	0.38	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW171S	12 Oct 2016	MW171S_121016	Normal	-	NSW_0908_PFAS		0.25	*2.5*	2.5	**5**	-	0.17	-	-	<0.01	<0.05	0.06	0.44	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171S	13 Jan 2017	MW171S_130117	Normal	-	ACTNSW_Hist_202012-3		0.32	*2.9*	2	**4.9**	-	0.16	-	-	<0.01	0.09	0.1	0.64	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW171S	24 Jan 2017	MW171S_GW_24012017	Normal	-	NSW_0908_PFAS		**0.64**	*4.65*	5.45	**10.1**	14.4	0.42	0.48	1.14	<0.02	<0.1	0.26	1.22	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	03 May 2017	MW171S_030517	Normal	-	ACTNSW_Hist_202012-3		0.21	*1.7*	2.9	**4.6**	-	0.2	0.19	0.3	<0.01	<0.05	0.11	0.49	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW171S	04 Apr 2018	MW171S_GW_04042018	Normal	-	NSW_0908_PFAS		0.14	*2.26*	2.38	**4.64**	5.69	0.05	0.12	0.3	<0.02	<0.1	0.04	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	09 Aug 2018	0908_MW171S_180809	Normal	-	NSW_0908_PFASMGMT		0.14	*2.05*	1.94	**3.99**	5.02	0.09	0.13	0.33	<0.02	<0.1	0.03	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	05 Sep 2018	0908_HW171S_180905	Normal	-	NSW_0908_PFASMGMT		0.10	*1.1*	1.92	**3.02**	3.65	0.05	0.10	0.23	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	03 Oct 2018	0908_MW171S_181003	Normal	-	NSW_0908_PFASMGMT		0.17	*2.09*	2.66	**4.75**	5.95	0.08	0.13	0.28	<0.02	<0.1	0.06	0.42	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	22 Nov 2018	0908_MW171S_181122	Normal	-	NSW_0908_PFAS		0.3	*1.89*	2.67	**4.56**	5.4	0.04	0.06	0.24	<0.02	<0.1	<0.02	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	22 Jan 2019	0908_MW171S_190122	Normal	-	NSW_0908_PFASMGMT		0.20	*1.8*	2.79	**4.59**	5.75	0.06	0.08	0.51	<0.02	<0.1	0.03	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_MW171S_190401	Normal	-	NSW_0908_PFASMGMT		0.11	*9.91*	2.11	**12**	13.0	0.09	0.08	0.40	<0.02	<0.1	0.03	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_QC101_190401	Field_D	-	NSW_0908_PFASMGMT		0.10	*9.56*	1.96	**11.5**	12.4	0.09	0.07	0.38	<0.02	<0.1	0.03	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	01 Apr 2019	0908_QC201_190401	Interlab_D	-	NSW_0908_PFASMGMT		0.063	*8.6*	1.7	**10.3**	-	0.049	0.056	0.27	<0.01	<0.05	0.025	0.11	0.029	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	20 Jun 2019	0908_MW171S_190620	Normal	-	NSW_0908_PFAS		0.06	*1.83*	0.74	**2.57**	2.84	<0.02	0.02	0.14	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2019	0908_MW171S_190924	Normal	-	NSW_0908_PFASMGMT		0.07	*1.03*	0.96	**1.99**	2.34	0.03	0.06	0.12	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	25 Oct 2019	0908_MW171S_191025	Normal	-	NSW_0908_PFASMGMT		0.02	*1.02*	0.31	**1.33**	1.43	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_MW171s_191129	Normal	-	NSW_0908_PFASMGMT		0.03	*0.65*	0.21	**0.86**	0.96	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_QC100_191129	Field_D	-	NSW_0908_PFASMGMT		0.03	*0.69*	0.21	**0.9**	1.00	<0.02	<0.02	0.07	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	29 Nov 2019	0908_QC200_191129	Interlab_D	-	NSW_0908_PFASMGMT		0.020	<0.02	0.19	**0.19**	-	<0.01	<0.01	0.047	<0.01	<0.05	<0.02	0.014	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	13 Mar 2020	0908_MW171S_200316	Normal	-	NSW_0908_PFASMGMT		0.04	*0.56*	0.62	**1.18**	1.43	<0.02	0.03	0.12	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	15 May 2020	0908_MW171S_200515	Normal	-	NSW_0908_PFASOMP		0.06	*1.74*	0.72	**2.46**	2.72	0.04	0.03	0.07	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	23 Jun 2020	0908_MW171S_200623	Normal	-	NSW_0908_PFASMGMT		0.06	*0.32*	0.43	**0.75**	1.06	0.02	0.02	0.11	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	23 Jun 2020	0908_QC101_200623	Field_D	-	NSW_0908_PFASMGMT		0.06	*0.32*	0.4	**0.72**	1.00	<0.02	0.02	0.10	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	30 Sep 2020	0908_MW171S_200930	Normal	-	NSW_0908_PFASMGMT		0.03	*0.31*	0.46	**0.77**	1.00	0.03	0.05	0.07	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	30 Sep 2020	0908_QC100_200930	Field_D	-	NSW_0908_PFASMGMT		0.04	*0.46*	0.66	**1.12**	1.44	0.05	0.07	0.09	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	30 Sep 2020	0908_QC200_200930	Interlab_D	-	NSW_0908_PFASMGMT		0.031	*0.23*	0.43	**0.66**	-	0.035	0.042	0.045	<0.01	<0.05	<0.02	0.047	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW171S	13 Jan 2021	0908_MW171_S_210113	Normal	-	NSW_0908_PFASMGMT		0.03	*0.72*	0.25	**0.97**	1.16	0.02	0.05	0.07	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	26 Mar 2021	0908_MW171_S_210326	Normal	-	NSW_0908_PFASMGMT		0.03	*0.31*	0.18	**0.49**	0.62	0.03	0.03	0.04	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	17 May 2021	0908_MW171S_210517	Normal	-	NSW_0908_PFASOMP		0.06	*0.66*	0.39	**1.05**	1.42	0.03	0.03	0.09	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Jun 2021	0908_MW171S_210624	Normal	-	NSW_0908_PFASMGMT		0.06	*0.48*	0.28	**0.76**	1.00	<0.02	<0.02	0.07	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2021	0908_MW171S_210924	Normal	-	NSW_0908_PFASMGMT		0.11	*0.73*	0.25	**0.98**	1.26	<0.02	<0.02	0.11	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	24 Sep 2021	0908_QC201_210924	Interlab_D	-	NSW_0908_PFASMGMT		0.12	*0.82*	0.24	**1.1**	1.4	<0.01	0.01	0.12	<0.02	<0.02	<0.02	0.06	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	12 Jan 2022	0908_MW171S_220112	Normal	-	NSW_0908_PFASMGMT		0.15	*0.65*	0.43	**1.08**	1.37	<0.02	<0.02	0.12	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Jan 2022	0908_QC100_220112	Field_D	-	NSW_0908_PFASMGMT		0.16	*0.65*	0.45	**1.1**	1.42	<0.02	<0.02	0.13	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Jan 2022	0908_QC200_220112	Interlab_D	-	NSW_0908_PFASMGMT		0.13	*0.48*	0.44	**0.92**	1.2	<0.01	0.02	0.10	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	14 Mar 2022	0908_MW171S_220314	Normal	-	NSW_0908_PFASMGMT		0.14	*0.76*	0.47	**1.23**	1.59	<0.02	0.04	0.15	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	14 Mar 2022	0908_QC100_220314	Field_D	-	NSW_0908_PFASMGMT		0.12	*0.69*	0.45	**1.14**	1.45	<0.02	0.03	0.14	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	14 Mar 2022	0908_QC200_220314	Interlab_D	-	NSW_0908_PFASMGMT		0.13	*0.66*	0.52	**1.2**	1.5	0.01	0.03	0.15	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW171S	19 May 2022	0908_MW171S_220519	Normal	-	NSW_0908_PFASOMP		0.09	*0.87*	0.58	**1.45**	1.82	0.02	0.03	0.19	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	21 Jun 2022	0908_MW171S_220621	Normal	-	NSW_0908_PFASMGMT		0.08	*1.49*	0.65	**2.14**	2.55	<0.02	0.03	0.26	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	21 Jun 2022	0908_QC201_220621	Interlab_D	-	NSW_0908_PFASMGMT		0.08	*1.9*	0.53	**2.4**	2.8	0.01	0.03	0.24	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW171S	12 Sep 2022	0908_MW171S_220912	Normal	-	NSW_0908_PFASMGMT	0.06	*1.16*	0.8	**1.96**	2.41	0.03	0.06	0.17	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	12 Sep 2022	0908_QC100_220912	Field_D	-	NSW_0908_PFASMGMT	0.05	*1.21*	0.84	**2.05**	2.46	0.03	0.06	0.16	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	10 May 2023	0908_MW171S_230510	Normal	-	NSW_0908_PFASOMP_23	0.07	*0.63*	0.79	**1.42**	1.83	0.04	0.06	0.15	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW171S	17 Apr 2024	0908_MW171S_240417	Normal	-	NSW_0908_PFASOMP_24	0.04	*0.46*	0.61	**1.07**	1.43	0.03	0.04	0.21	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	14 Jan 2016	MW172_14012016	Normal	-	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW172	14 Jan 2016	QC102_WG_14012016	Field_D	-	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW172	02 Sep 2016	MW172_020916	Normal	-	NSW_0908_PFAS	<0.01	*0.1*	0.03	**0.13**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-
MW172	12 Oct 2016	MW172_121016	Normal	-	NSW_0908_PFAS	<0.01	*0.05*	0.02	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	16 Jan 2017	MW172_160117	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.03*	0.03	0.06	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	16 Jan 2017	MW172_160117	Normal	-	NSW_0908_PFAS	<0.01	*0.03*	0.03	0.06	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW172	25 Jan 2017	MW172_GW_25012017	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	03 May 2017	MW172_030517	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.31*	0.12	**0.43**	-	0.06	0.04	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW172	09 Aug 2018	0908_MW172_180809	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	05 Sep 2018	0908_MW172_180905	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	03 Oct 2018	0908_MW172_181003	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2018	0908_MW172_181129	Normal	-	NSW_0908_PFAS	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2018	0908_MW172_181129	Normal	-	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW172	23 Jan 2019	0908_MW172_190123	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.06	0.06	0.16	0.05	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	02 Apr 2019	0908_MW172_190402	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.04*	0.18	**0.22**	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 May 2019	0908_MW172_190530	Normal	-	NSW_0908_PFAS	<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 May 2019	0908_MW172_190530	Normal	-	NSW_0908_PFAS	-	-	-	**0.1**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW172	20 Jun 2019	0908_MW172_190620	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.02*	0.06	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2019	0908_MW172_190924	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	06 Nov 2019	0908_MW172_191107	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_MW172_191129	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.08	**0.08**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_QC101_191129	Field_D	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	29 Nov 2019	0908_QC201_191129	Interlab_D	-	NSW_0908_PFASMGMT	<0.01	<0.02	0.073	**0.073**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW172	13 Mar 2020	0908_MW172_200313	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.03*	0.16	**0.19**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	15 May 2020	0908_MW172_200515	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.09	**0.09**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Jun 2020	0908_MW172_200622	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_MW172_200930	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.01*	0.81	**0.82**	0.90	0.02	0.06	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_QC101_200930	Field_D	-	NSW_0908_PFASMGMT	0.01	*0.02*	1.25	**1.27**	1.42	0.04	0.10	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	30 Sep 2020	0908_QC201_200930	Interlab_D	-	NSW_0908_PFASMGMT	<0.01	<0.02	0.8	**0.8**	-	0.023	0.05	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW172	16 Nov 2020	0908_MW172_201116	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.25	**0.25**	0.33	0.04	0.04	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	14 Jan 2021	0908_MW172_210114	Normal	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.42	**0.42**	0.51	0.03	0.06	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	26 Mar 2021	0908_MW172_210326	Normal	-	NSW_0908_PFASMGMT	0.12	*0.07*	1.08	**1.15**	1.61	0.04	0.07	0.02	<0.02	<0.1	0.03	0.14	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	17 May 2021	0908_MW172_210517	Normal	-	NSW_0908_PFASOMP	0.10	*0.05*	1.98	**2.03**	2.96	0.10	0.16	<0.02	<0.02	<0.1	0.06	0.44	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Jun 2021	0908_MW172_210624	Normal	-	NSW_0908_PFASMGMT	0.02	*0.02*	0.4	**0.42**	0.52	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_MW172_210924	Normal	-	NSW_0908_PFASMGMT	0.01	*0.01*	0.15	**0.16**	0.34	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_QC102_210924	Field_D	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.12	**0.12**	0.27	0.06	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2021	0908_QC202_210924	Interlab_D	-	NSW_0908_PFASMGMT	<0.01	<0.01	0.1	**0.1**	0.27	0.07	0.05	<0.01	<0.02	0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW172	10 Nov 2021	0908_MW172_211110	Normal	-	NSW_0908_PFASOMP	0.01	*0.05*	0.21	**0.26**	0.49	0.09	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	12 Jan 2022	0908_MW172_220112	Normal	-	NSW_0908_PFASMGMT	0.02	*0.02*	0.41	**0.43**	0.74	0.06	0.06	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	16 Mar 2022	0908_MW172_220316	Normal	-	NSW_0908_PFASMGMT	0.08	*0.05*	1.04	**1.09**	1.98	0.03	0.06	<0.02	<0.02	0.2	0.17	0.32	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	19 May 2022	0908_MW172_220519	Normal	-	NSW_0908_PFASOMP	0.05	*0.05*	1.28	**1.33**	2.22	0.17	0.26	<0.02	<0.02	0.1	0.09	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Jun 2022	0908_MW172_220622	Normal	-	NSW_0908_PFASMGMT	0.14	*0.15*	1.88	**2.03**	2.67	0.10	0.13	0.03	<0.02	<0.1	0.04	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	13 Sep 2022	0908_MW172_220913	Normal	-	NSW_0908_PFASMGMT	0.03	*0.05*	1.06	**1.11**	1.34	0.02	0.04	<0.02	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_MW172_221110	Normal	-	NSW_0908_PFASOMP	0.01	*0.02*	0.48	**0.5**	0.69	0.03	0.04	<0.02	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_QC105_221110	Field_D	-	NSW_0908_PFASOMP	0.01	*0.04*	0.54	**0.58**	0.78	0.03	0.05	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	10 Nov 2022	0908_QC205_221110	Interlab_D	-	NSW_0908_PFASOMP	<0.01	*0.02*	0.42	**0.44**	0.59	0.03	0.04	<0.01	<0.02	<0.02	0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW172	10 May 2023	0908_MW172_230510	Normal	-	NSW_0908_PFASOMP_23	0.03	*0.07*	0.92	**0.99**	1.92	0.05	0.08	<0.02	<0.02	0.2	0.44	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	22 Nov 2023	0908_MW172_231122	Normal	-	NSW_0908_PFASOMP_23	0.03	*0.04*	0.45	**0.49**	0.94	0.11	0.15	<0.02	<0.02	<0.1	<0.02	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	17 Apr 2024	0908_MW172_240417	Normal	-	NSW_0908_PFASOMP_24	0.02	*0.03*	0.69	**0.72**	1.23	0.14	0.20	<0.02	<0.02	<0.1	<0.02	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW172	24 Sep 2024	0908_MW172_240924	Normal	-	NSW_0908_PFASOMP_24	0.08	*0.03*	4.28	**4.31**	5.27	0.25	0.45	<0.02	<0.02	<0.1	0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	15 Jan 2016	MW175D_15012016	Normal	-	NSW_0908_PFAS	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW175D	29 Aug 2016	MW175D_290816	Normal	-	NSW_0908_PFAS	<0.01	*0.33*	0.09	**0.42**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW175D	19 Oct 2016	MW175D_191016	Normal	-	NSW_0908_PFAS	<0.01	*0.67*	0.09	**0.76**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW175D	19 Dec 2016	MW175D_GW_19122016	Normal	-	NSW_0908_PFAS	0.02	*3.01*	0.19	**3.2**	3.29	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW175D	20 Dec 2016	MW175D_GW_20122016	Normal	-	NSW_0908_PFAS		0.02	*3.01*	0.19	**3.2**	3.29	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	12 Jan 2017	MW175D_120117	Normal	-	ACTNSW_Hist_202012-3		0.02	*2.6*	0.21	**2.81**	-	0.02	-	-	<0.01	<0.05	<0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW175D	24 Jan 2017	MW175D_GW_24012017	Normal	-	NSW_0908_PFAS		0.09	*3.49*	0.76	**4.25**	4.81	0.06	0.08	0.09	<0.02	<0.1	0.04	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	24 Jan 2017	QC717_24012017	Field_D	-	NSW_0908_PFAS		0.08	*3.8*	0.71	**4.51**	5.05	0.06	0.08	0.08	<0.02	<0.1	0.04	0.2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	02 May 2017	MW175D_020517	Normal	-	ACTNSW_Hist_202012-3		0.03	*1.4*	0.33	**1.73**	-	0.02	0.03	0.04	<0.01	<0.05	0.01	0.08	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW175D	20 Apr 2018	MW175D_GW_20042018	Normal	-	NSW_0908_PFAS		0.05	*2.5*	0.43	**2.93**	3.23	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	14 Sep 2018	0908_MW175D_180914	Normal	-	NSW_0908_PFASMGMT		0.20	*8.67*	1.77	**10.4**	12.0	0.13	0.16	0.22	<0.02	<0.1	0.09	0.67	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	29 Nov 2018	0908_MW175D_181129	Normal	-	NSW_0908_PFAS		0.08	*4.43*	0.77	**5.2**	5.75	0.06	0.07	0.06	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	31 May 2019	0908_MW175D_190531	Normal	-	NSW_0908_PFAS		0.08	*8.3*	0.6	**8.9**	9.43	0.05	0.06	0.08	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	08 Nov 2019	0908_MW175D_191108	Normal	-	NSW_0908_PFASOMP		0.06	*2*	0.65	**2.65**	3.25	0.08	0.09	0.05	<0.02	<0.1	0.05	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	11 May 2020	0908_MW175D_200511	Normal	-	NSW_0908_PFASOMP		0.10	*4.07*	0.83	**4.9**	5.74	0.06	0.10	0.09	<0.02	<0.1	0.06	0.30	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 Nov 2020	0908_MW175_D_201117	Normal	-	NSW_0908_PFASOMP		0.06	*3.99*	0.64	**4.63**	5.16	0.05	0.06	0.06	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 May 2021	0908_MW175D_210517	Normal	-	NSW_0908_PFASOMP		0.04	*1.24*	0.46	**1.7**	2.11	0.05	0.07	0.03	<0.02	<0.1	0.02	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	16 Nov 2021	0908_MW175D_211116	Normal	-	NSW_0908_PFASOMP		0.03	*2.1*	0.4	**2.5**	2.89	0.05	0.05	0.03	<0.02	<0.1	0.03	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	16 Nov 2021	0908_QC108_211116	Field_D	-	NSW_0908_PFASOMP		0.04	*2.4*	0.44	**2.84**	3.27	0.05	0.05	0.03	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	19 May 2022	0908_MW175D_220519	Normal	-	NSW_0908_PFASOMP		0.05	*3.45*	0.76	**4.21**	4.81	0.06	0.08	0.04	<0.02	<0.1	0.08	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 Nov 2022	0908_MW175D_221110	Normal	-	NSW_0908_PFASOMP		0.07	*4.43*	1.13	**5.56**	6.31	0.07	0.13	0.07	<0.02	<0.1	0.08	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 May 2023	0908_MW175D_230510	Normal	-	NSW_0908_PFASOMP_23		0.07	*4.61*	1.05	**5.66**	6.32	0.07	0.10	0.04	<0.02	<0.1	0.07	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	10 May 2023	0908_QC119_230510	Field_D	-	NSW_0908_PFASOMP_23		0.08	*4.13*	1.13	**5.26**	6.18	0.12	0.12	0.08	<0.02	<0.1	0.12	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	22 Nov 2023	0908_MW175D_231122	Normal	-	NSW_0908_PFASOMP_23		0.10	*3.36*	1.03	**4.39**	5.30	0.06	0.08	0.06	<0.02	<0.1	0.12	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	17 Apr 2024	0908_MW175D_240417	Normal	-	NSW_0908_PFASOMP_24		0.10	*3.69*	1.04	**4.73**	5.66	0.07	0.10	0.06	<0.02	<0.1	0.12	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW175D	24 Sep 2024	0908_MW175D_240924	Normal	-	NSW_0908_PFASOMP_24		0.11	*4.68*	1.12	**5.8**	6.73	0.07	0.10	0.06	<0.02	<0.1	0.11	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Feb 2016	MW178_26022016	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Feb 2016	QC142_WG_26022016	Field_D	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW178	10 Jan 2017	MW178_GW_10012017	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	27 Mar 2018	MW178_GW_27032018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	26 Nov 2018	0908_MW178_181126	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	21 May 2019	0908_MW178_190521	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	07 Nov 2019	0908_MW178_191107	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	04 Jun 2020	0908_MW178_200604	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	24 Nov 2020	0908_MW178_201124	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	19 May 2021	0908_MW178_210519	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.08*	0.12	**0.2**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	15 Nov 2021	0908_MW178_211115	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.02*	0.11	**0.13**	0.26	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	15 Nov 2021	0908_QC107_211115	Field_D	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.03*	0.13	**0.16**	0.28	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	01 Jun 2022	0908_MW178_220601	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.04*	0.1	**0.14**	0.23	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	09 Nov 2022	0908_MW178_221109	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.11*	0.3	**0.41**	0.65	0.06	0.08	<0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_MW178_230517	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.08*	0.15	**0.23**	0.35	0.05	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_QC118_230517	Field_D	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.1*	0.18	**0.28**	0.44	0.06	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	17 May 2023	0908_QC218_230517	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.08*	0.24	**0.32**	0.50	0.05	0.06	<0.01	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW178	21 Nov 2023	0908_MW178_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23		0.01	*0.1*	0.34	**0.44**	0.80	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.14	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	22 Apr 2024	0908_MW178_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	*0.07*	0.08	**0.15**	0.21	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW178	23 Sep 2024	0908_MW178_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	*0.05*	0.22	**0.27**	0.41	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	20 Jan 2016	MW179D_20012016	Normal	-	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179D	30 Aug 2016	MW179D_300816	Normal	-	NSW_0908_PFAS		<0.01	*0.02*	0.33	**0.35**	-	0.04	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW179D	18 Oct 2016	MW179D_181016	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.34	**0.34**	-	0.05	-	-	<0.01	<0.05	0.01	0.09	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	16 Jan 2017	MW179D_160117	Normal	-	ACTNSW_Hist_202012-3		<0.01	<0.01	0.4	**0.4**	-	0.05	-	-	<0.01	<0.05	0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	16 Jan 2017	MW179D_160117	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.4	**0.4**	-	0.05	-	-	<0.01	<0.05	0.01	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179D	19 Jan 2017	MW179D_GW_19012017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.55	**0.55**	0.76	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 Jan 2017	QC715_GW_19012017	Field_D	-	NSW_0908_PFAS		0.01	*0.34*	0.22	**0.56**	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	04 May 2017	MW179D_040517	Normal	-	ACTNSW_Hist_202012-3		<0.01	<0.01	0.45	**0.45**	-	0.1	0.08	<0.01	<0.01	<0.05	0.02	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.56	**0.56**	0.90	0.13	0.11	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	22 Nov 2017	0908_MW179D_221117	Normal	-	NSW_0908_PFAS		-	-	-	**0.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.68	**0.68**	1.19	0.19	0.13	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 Apr 2018	MW179D_GW_19042018	Normal	-	NSW_0908_PFAS		-	-	-	**0.69**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW179D	22 Nov 2018	0908_MW179D_181122	Normal	-	NSW_0908_PFAS		<0.01	*0.01*	0.36	**0.37**	0.68	0.13	0.08	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	30 May 2019	0908_MW179D_190530	Normal	-	NSW_0908_PFAS		<0.01	*0.02*	0.4	**0.42**	0.75	0.12	0.08	<0.02	<0.02	<0.1	0.03	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	08 Nov 2019	0908_MW179D_191108	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.43	**0.43**	0.71	0.09	0.08	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	13 May 2020	0908_MW179D_200513	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.36	**0.36**	0.54	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW179D	17 Nov 2020	0908_MW179_D_201117	Normal	-	NSW_0908_PFASOMP		0.01	<0.01	0.28	**0.28**	0.41	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	17 May 2021	0908_MW179D_210517	Normal	-	NSW_0908_PFASOMP		0.02	<0.01	0.41	**0.41**	0.63	0.04	0.05	<0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	16 Nov 2021	0908_MW179D_211116	Normal	-	NSW_0908_PFASOMP		0.02	<0.01	0.46	**0.46**	0.69	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	19 May 2022	0908_MW179D_220519	Normal	-	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	10 Nov 2022	0908_MW179D_221110	Normal	-	NSW_0908_PFASOMP		0.04	*0.28*	0.86	**1.14**	1.68	0.08	0.12	0.03	<0.02	<0.1	0.05	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	10 May 2023	0908_MW179D_230510	Normal	-	NSW_0908_PFASOMP_23		0.06	*1.17*	1.33	**2.5**	3.25	0.13	0.19	0.06	<0.02	<0.1	0.06	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	22 Nov 2023	0908_MW179D_231122	Normal	-	NSW_0908_PFASOMP_23		0.06	*3.69*	1.31	**5**	5.58	0.05	0.08	0.06	<0.02	<0.1	0.08	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179D	18 Apr 2024	0908_MW179D_240418	Normal	-	NSW_0908_PFASOMP_24		0.02	*0.19*	0.8	**0.99**	1.49	0.10	0.14	<0.02	<0.02	<0.1	0.04	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	20 Jan 2016	MW179S_20012016	Normal	-	NSW_0908_PFAS		0.02	*0.11*	-	**0.11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179S	20 Jan 2016	QC108_WG_20012016	Field_D	-	NSW_0908_PFAS		0.04	*0.13*	-	**0.13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW179S	30 Aug 2016	MW179S_300816	Normal	-	NSW_0908_PFAS		0.02	*0.2*	0.24	**0.44**	-	0.01	-	-	<0.01	<0.05	0.01	0.09	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW179S	15 Sep 2016	MW179S_150916	Normal	-	NSW_0908_PFAS		0.025	*0.25*	0.23	**0.48**	-	0.016	0.026	0.014	<0.01	<0.5	0.013	0.051	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW179S	18 Oct 2016	MW179S_181016	Normal	-	NSW_0908_PFAS		0.04	*0.09*	0.62	**0.71**	-	0.03	-	-	<0.01	<0.05	0.03	0.16	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	16 Jan 2017	MW179S_160117	Normal	-	ACTNSW_Hist_202012-3		0.01	*0.09*	0.21	**0.3**	-	0.02	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	16 Jan 2017	MW179S_160117	Normal	-	NSW_0908_PFAS		0.01	*0.09*	0.21	**0.3**	-	0.02	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW179S	19 Jan 2017	MW179S_GW_19012017	Normal	-	NSW_0908_PFAS		0.01	*0.08*	0.26	**0.34**	0.42	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	04 May 2017	MW179S_040517	Normal	-	ACTNSW_Hist_202012-3		0.06	*0.17*	1.2	**1.37**	-	0.08	0.1	0.03	<0.01	<0.05	0.05	0.25	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW179S	19 Apr 2018	MW179S_GW_19042018	Normal	-	NSW_0908_PFAS		0.06	*0.46*	1.67	**2.13**	3.13	0.17	0.24	0.03	<0.02	<0.1	0.09	0.38	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	22 Nov 2018	0908_MW179S_181122	Normal	-	NSW_0908_PFAS		0.05	*0.46*	0.83	**1.29**	1.67	0.08	0.09	0.06	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	30 May 2019	0908_MW179S_190530	Normal	-	NSW_0908_PFAS		0.02	*0.59*	0.74	**1.33**	1.65	0.08	0.12	0.03	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	08 Nov 2019	0908_MW179S_191108	Normal	-	NSW_0908_PFASOMP		0.04	*0.55*	1.51	**2.06**	2.80	0.19	0.24	0.04	<0.02	<0.1	0.04	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	13 May 2020	0908_MW179S_200513	Normal	-	NSW_0908_PFASOMP		0.05	*0.14*	1.98	**2.12**	3.03	0.14	0.30	0.02	<0.02	<0.1	0.04	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	17 Nov 2020	0908_MW179_S_201117	Normal	-	NSW_0908_PFASOMP		0.04	*0.52*	1.68	**2.2**	2.49	0.06	0.09	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	17 May 2021	0908_MW179S_210517	Normal	-	NSW_0908_PFASOMP		0.34	*0.26*	4.84	**5.1**	7.44	0.16	0.38	0.05	<0.02	0.1	0.19	0.85	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	16 Nov 2021	0908_MW179S_211116	Normal	-	NSW_0908_PFASOMP		0.29	*0.14*	1.19	**1.33**	2.39	0.04	0.08	0.02	<0.02	0.1	0.10	0.35	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	19 May 2022	0908_MW179S_220519	Normal	-	NSW_0908_PFASOMP		0.44	*0.22*	1.67	**1.89**	3.04	0.05	0.09	0.02	<0.02	0.1	0.11	0.27	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	10 Nov 2022	0908_MW179S_221110	Normal	-	NSW_0908_PFASOMP		0.12	*0.19*	0.61	**0.8**	1.19	<0.02	0.02	<0.02	<0.02	<0.1	0.08	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	10 May 2023	0908_MW179S_230510	Normal	-	NSW_0908_PFASOMP_23		0.37	*0.24*	1.52	**1.76**	2.93	0.04	0.09	0.03	<0.02	0.1	0.14	0.33	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	22 Nov 2023	0908_MW179S_231122	Normal	-	NSW_0908_PFASOMP_23		0.07	*0.17*	0.37	**0.54**	0.95	<0.02	<0.02	<0.02	<0.02	<0.1	0.09	0.23	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW179S	18 Apr 2024	0908_MW179S_240418	Normal	-	NSW_0908_PFASOMP_24		0.20	*3.61*	1.65	**5.26**	6.34	0.06	0.11	0.14	<0.02	<0.1	0.12	0.36	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	02 Mar 2017	MW184D_170302	Normal	Risk Zone A	NSW_0908_PFAS		**1.16**	*41*	9.78	**50.78**	58.8	1.57	1.11	1.61	<0.02	0.2	0.44	1.72	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	02 Mar 2017	MW184D_170302	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**50.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	Risk Zone A	NSW_0908_PFAS		0.52	*30.2*	3.97	**34.17**	37.8	0.38	0.48	0.69	<0.02	0.2	0.18	1.09	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	21 Jun 2019	0908_MW184D_190621	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**34.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184D	27 May 2020	0908_MW184D_200527	Normal	Risk Zone A	NSW_0908_PFASOMP		0.52	*21.8*	5.36	**27.2**	31.1	0.45	0.57	0.72	<0.02	0.1	0.16	1.24	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	13 May 2021	0908_MW184D_210513	Normal	Risk Zone A	NSW_0908_PFASOMP		0.14	*5.36*	1.7	**7.06**	8.26	0.14	0.17	0.18	<0.02	<0.1	0.07	0.43	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	13 May 2021	0908_QC200_210513	Interlab_D	Risk Zone A	NSW_0908_PFASOMP		0.13	*4.2*	1.3	**5.5**	-	0.11	0.12	0.11	<0.01	0.059	0.058	0.3	0.052	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW184D	17 May 2022	0908_MW184D_220517	Normal	Risk Zone A	NSW_0908_PFASOMP		0.16	*5.22*	1.46	**6.68**	7.77	0.11	0.16	0.14	<0.02	<0.1	0.06	0.38	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	17 May 2023	0908_MW184D_230517	Normal	Risk Zone A	NSW_0908_PFASOMP_23		0.15	*4.43*	1.6	**6.03**	7.03	0.10	0.14	0.16	<0.02	<0.1	0.06	0.34	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184D	24 Apr 2024	0908_MW184D_240424	Normal	Risk Zone A	NSW_0908_PFASOMP_24		0.18	*5.87*	1.56	**7.43**	8.66	0.12	0.16	0.16	<0.02	<0.1	0.06	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	02 Mar 2017	MW184S_170302	Normal	Risk Zone A	NSW_0908_PFAS		**0.8**	*23.4*	10.4	**33.8**	40.9	1.16	0.96	1.07	<0.02	0.3	0.65	1.84	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	Risk Zone A	NSW_0908_PFAS		0.29	*20.1*	2.62	**22.7**	24.8	0.17	0.23	0.33	<0.02	0.1	0.15	0.72	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	21 Jun 2019	0908_MW184S_190621	Normal	Risk Zone A	NSW_0908_PFAS		-	-	-	**22.72**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW184S	27 May 2020	0908_MW184S_200527	Normal	Risk Zone A	NSW_0908_PFASOMP		0.04	*5.52*	0.52	**6.04**	6.29	0.04	0.05	0.06	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	13 May 2021	0908_MW184S_210513	Normal	Risk Zone A	NSW_0908_PFASOMP		0.05	*2.68*	1.27	**3.95**	4.39	0.08	0.10	0.09	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	13 May 2021	0908_QC100_210513	Field_D	Risk Zone A	NSW_0908_PFASOMP		0.05	*2.63*	1.25	**3.88**	4.32	0.08	0.10	0.09	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	17 May 2022	0908_MW184S_220517	Normal	Risk Zone A	NSW_0908_PFASOMP		0.03	*2.8*	1.19	**3.99**	4.34	0.08	0.10	0.06	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	17 May 2023	0908_MW184S_230517	Normal	Risk Zone A	NSW_0908_PFASOMP_23		0.08	*8.82*	1.1	**9.92**	10.4	0.06	0.07	0.11	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW184S	24 Apr 2024	0908_MW184S_240424	Normal	Risk Zone A	NSW_0908_PFASOMP_24		0.01	*1.82*	0.34	**2.16**	2.26	0.03	0.03	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	19 Dec 2016	MW188D_GW_19122016	Normal	Risk Zone A	NSW_0908_PFAS		0.07	*0.72*	0.52	**1.24**	1.61	0.08	0.05	0.03	<0.02	<0.1	0.02	0.1	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	03 Feb 2017	MW188D_GW_03022017	Normal	Risk Zone A	NSW_0908_PFAS		0.14	*0.91*	1.31	**2.22**	3.28	0.22	0.23	0.09	<0.01	<0.1	0.06	0.27	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.02
MW188D	27 Mar 2018	MW188D_GW_27032018	Normal	Risk Zone A	NSW_0908_PFAS		0.08	*0.66*	0.73	**1.39**	2.08	0.15	0.1	0.06	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	20 Nov 2018	0908_MW188D_181120	Normal	Risk Zone A	NSW_0908_PFAS		0.07	*0.38*	0.41	**0.79**	1.25	0.09	0.06	0.03	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	22 May 2019	0908_MW188D_190522	Normal	Risk Zone A	NSW_0908_PFAS		0.08	*0.55*	0.72	**1.27**	1.87	0.12	0.1	0.05	<0.02	<0.1	0.03	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	13 May 2020	0908_MW188D_200513	Normal	Risk Zone A	NSW_0908_PFASOMP		0.25	*5.41*	3.11	**8.52**	11.2	0.58	0.52	0.34	<0.02	<0.1	0.12	0.70	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	12 May 2021	0908_MW188D_210512	Normal	Risk Zone A	NSW_0908_PFASOMP		0.05	*0.99*	0.71	**1.7**	2.14	0.11	0.08	0.08	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188D	18 Apr 2024	0908_MW188D_240418	Normal	Risk Zone A	NSW_0908_PFASOMP_24		0.19	*3.41*	1.88	**5.29**	7.03	0.27	0.23	0.22	<0.02	<0.1	0.09	0.50	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	22 Jan 2016	MW188_22012016	Normal	Risk Zone A	NSW_0908_PFAS		0.09	*0.49*	<0.02	**0.49**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW188S	22 Jan 2016	QC111_WG_22012016	Field_D	Risk Zone A	NSW_0908_PFAS		0.08	*0.5*	<0.02	**0.5**	-	<0.02	-	-	<0.02	-	-	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW188S	19 Dec 2016	MW188S_GW_19122016	Normal	Risk Zone A	NSW_0908_PFAS		0.02	*0.91*	0.24	**1.15**	1.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	03 Feb 2017	MW188S_GW_03022017	Normal	Risk Zone A	NSW_0908_PFAS		0.04	*0.66*	0.16	**0.82**	0.9	0.01	<0.01	0.01	<0.01	<0.1	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.02	<0.01	<0.02
MW188S	27 Mar 2018	MW188S_GW_27032018	Normal	Risk Zone A	NSW_0908_PFAS		0.02	*0.34*	0.05	**0.39**	0.41	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	20 Nov 2018	0908_MW188S_181120	Normal	Risk Zone A	NSW_0908_PFAS		<0.01	*0.68*	0.17	**0.85**	0.85	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	21 May 2019	0908_MW188S_190521	Normal	Risk Zone A	NSW_0908_PFAS		<0.01	*0.19*	0.04	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	13 May 2020	0908_MW188S_200513	Normal	Risk Zone A	NSW_0908_PFASOMP		0.08	*3.14*	0.66	**3.8**	4.40	0.10	0.09	0.07	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	12 May 2021	0908_MW188S_210512	Normal	Risk Zone A	NSW_0908_PFASOMP		0.09	*2.93*	0.82	**3.75**	4.50	0.12	0.09	0.09	<0.02	<0.1	0.07	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	31 May 2022	0908_MW188S_220531	Normal	Risk Zone A	NSW_0908_PFASOMP		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	11 May 2023	0908_MW188S_230511	Normal	Risk Zone A	NSW_0908_PFASOMP_23		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW188S	16 Apr 2024	0908_MW188S_240416	Normal	Risk Zone A	NSW_0908_PFASOMP_24		0.01	*0.14*	0.11	**0.25**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Jan 2016	MW195_27012016	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW195	09 Feb 2017	MW195_GW_09022017	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	<0.01	0.07	0.07	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Mar 2018	MW195_GW_27032018	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*0.17*	0.16	**0.33**	0.46	0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 Nov 2018	0908_MW195_181127	Normal	Risk Zone B	NSW_0908_PFAS		0.01	*0.06*	0.22	**0.28**	0.39	0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	27 May 2019	0908_MW195_190527	Normal	Risk Zone B	NSW_0908_PFAS		0.01	*0.05*	0.18	**0.23**	0.29	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	13 May 2020	0908_MW195_200513	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*0.08*	0.22	**0.3**	0.42	0.03	<0.02	<0.02	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	12 May 2021	0908_MW195_210512	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.05*	0.07	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	16 May 2022	0908_MW195_220516	Normal	Risk Zone B	NSW_0908_PFASOMP		0.01	*0.05*	0.09	**0.14**	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	09 May 2023	0908_MW195_230509	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.01	*0.1*	0.1	**0.2**	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW195	16 Apr 2024	0908_MW195_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.07*	0.11	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	13 Jan 2016	MW196_13012016	Normal	-	NSW_0908_PFAS		**0.68**	*35.6*	11.9	**47.5**	-	0.18	-	-	<0.02	-	-	0.88	0.22	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW196	05 Sep 2016	MW196_050916	Normal	-	NSW_0908_PFAS		0.17	*18*	1.8	**19.8**	-	0.04	-	-	<0.01	<0.05	0.04	0.22	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW196	15 Sep 2016	MW196_150916	Normal	-	NSW_0908_PFAS		0.19	*15*	1.3	**16.3**	-	0.035	0.052	0.15	<0.01	<0.5	0.03	0.17	0.037	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW196	18 Jan 2017	MW196_GW_18012017	Normal	-	NSW_0908_PFAS		0.42	*22.3*	2.67	**24.97**	26.6	0.12	0.17	0.29	<0.02	<0.1	0.1	0.39	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	18 Jan 2017	MW196_GW_18012017	Normal	-	NSW_0908_PFAS		-	-	-	**25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	20 Apr 2018	MW196_GW_20042018	Normal	-	NSW_0908_PFAS		0.24	*19*	2.35	**21.4**	22.4	0.04	0.08	0.19	<0.02	<0.1	0.08	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	20 Apr 2018	MW196_GW_20042018	Normal	-	NSW_0908_PFAS		-	-	-	**21.35**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	30 Nov 2018	0908_MW196_181130	Normal	-	NSW_0908_PFAS		0.05	*6.94*	1.03	**7.97**	8.24	<0.02	0.02	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	29 May 2019	0908_MW196_190529	Normal	-	NSW_0908_PFAS		0.22	*13.7*	2.54	**16.2**	17.1	0.04	0.08	0.15	<0.02	<0.1	0.05	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	29 May 2019	0908_MW196_190529	Normal	-	NSW_0908_PFAS		-	-	-	**16.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW196	06 Nov 2019	0908_MW196_191107	Normal	-	NSW_0908_PFASOMP		0.32	*13.6*	3.04	**16.6**	17.8	0.04	0.08	0.22	<0.02	<0.1	0.08	0.39	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	22 May 2020	0908_MW196_200522	Normal	-	NSW_0908_PFASOMP		0.35	*17.2*	3.3	**20.5**	21.9	0.04	0.09	0.25	<0.02	<0.1	0.10	0.50	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_MW196_201126	Normal	-	NSW_0908_PFASOMP		0.13	*9.81*	1.7	**11.5**	12.2	0.02	0.06	0.11	<0.02	<0.1	0.05	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_QC105_201126	Field_D	-	NSW_0908_PFASOMP		0.07	*2.46*	1.43	**3.89**	4.47	0.06	0.13	0.10	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	26 Nov 2020	0908_QC205_201126	Interlab_D	-	NSW_0908_PFASOMP		0.049	*1.7*	1.4	**3.1**	-	0.048	0.083	0.053	<0.01	<0.05	0.035	0.11	0.013	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW196	19 May 2021	0908_MW196_210519	Normal	-	NSW_0908_PFASOMP		0.19	*19.8*	1.77	**21.6**	22.3	0.02	0.05	0.16	<0.02	<0.1	0.04	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	10 Nov 2021	0908_MW196_211110	Normal	-	NSW_0908_PFASOMP		0.21	*23.1*	1.53	**24.6**	25.6	0.02	0.04	0.15	<0.02	<0.1	0.07	0.38	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	30 May 2022	0908_MW196_220530	Normal	-	NSW_0908_PFASOMP		0.06	*7.36*	0.4	**7.76**	8.02	<0.02	<0.02	0.06	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	09 Nov 2022	0908_MW196_221109	Normal	-	NSW_0908_PFASOMP		0.06	*3.83*	0.25	**4.08**	4.23	<0.02	<0.02	0.04	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	10 May 2023	0908_MW196_230510	Normal	-	NSW_0908_PFASOMP_23		0.10	*13.9*	0.56	**14.5**	14.8	<0.02	<0.02	0.07	<0.02	<0.1	0.03	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	22 Nov 2023	0908_MW196_231122	Normal	-	NSW_0908_PFASOMP_23		0.10	*9*	0.52	**9.52**	9.90	<0.02	<0.02	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW196	17 Apr 2024	0908_MW196_240417	Normal	-	NSW_0908_PFASOMP_24		0.11	*10.9*	0.7	**11.6**	12.1	<0.02	0.03	0.10	<0.02	<0.1	0.04	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	13 Jan 2016	MW198_13012016	Normal	-	NSW_0908_PFAS		0.02	*0.71*	-	**0.71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-
MW198	05 Sep 2016	MW198_050916	Normal	-	NSW_0908_PFAS		0.02	*1.9*	0.96	**2.86**	-	0.04	-	-	<0.01	<0.05	0.03	0.11	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW198	20 Oct 2016	MW198_201016	Normal	-	NSW_0908_PFAS		0.03	*1.7*	0.82	**2.52**	-	0.04	-	-	<0.01	<0.05	0.02	0.1	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW198	16 Jan 2017	MW198_GW_16012017	Normal	-	NSW_0908_PFAS		0.21	*4.36*	2.63	**6.99**	8.46	0.12	0.23	0.24	<0.02	<0.1	0.13	0.42	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	16 Jan 2017	QC714_GW_16012017	Field_D	-	NSW_0908_PFAS		0.21	*4.31*	2.64	**6.95**	8.47	0.13	0.28	0.24	<0.02	<0.1	0.13	0.41	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	18 Jan 2017	MW198_180117	Normal	-	ACTNSW_Hist_202012-3		0.12	*3.3*	1.9	**5.2**	-	0.09	-	-	<0.01	0.06	0.06	0.33	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW198	05 May 2017	MW198_050517	Normal	-	ACTNSW_Hist_202012-3		0.09	*2.8*	3.1	**5.9**	-	0.16	0.32	0.2	<0.01	0.06	0.08	0.35	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.07	<0.01	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05
MW198	20 Apr 2018	MW198_GW_20042018	Normal	-	NSW_0908_PFAS		**0.59**	*18.3*	6.15	**24.4**	26.8	0.15	0.27	0.5	<0.02	<0.1	0.14	0.62	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	20 Apr 2018	MW198_GW_20042018	Normal	-	NSW_0908_PFAS		-	-	-	**24.45**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	30 Nov 2018	0908_MW198_181130	Normal	-	NSW_0908_PFAS		0.12	*18.2*	3.56	**21.8**	23.2	0.14	0.23	0.17	<0.02	<0.1	0.13	0.61	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 Nov 2018	0908_MW198_181130	Normal	-	NSW_0908_PFAS		-	-	-	**21.76**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	29 May 2019	0908_MW198_190529	Normal	-	NSW_0908_PFAS		0.32	*13.6*	2.91	**16.5**	17.8	0.08	0.16	0.34	<0.02	<0.1	0.06	0.27	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	29 May 2019	0908_MW198_190529	Normal	-	NSW_0908_PFAS		-	-	-	**16.51**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW198	06 Nov 2019	0908_MW198_191107	Normal	-	NSW_0908_PFASOMP		0.23	*6.29*	3.39	**9.68**	11.2	0.15	0.28	0.30	<0.02	<0.1	0.10	0.39	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	22 May 2020	0908_MW198_200522	Normal	-	NSW_0908_PFASOMP		0.10	*6.2*	1.86	**8.06**	8.84	0.08	0.14	0.15	<0.02	<0.1	0.08	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW198	26 Nov 2020	0908_MW198_201126	Normal	-	NSW_0908_PFASOMP	0.06	*2.16*	1.42	**3.58**	4.10	0.05	0.12	0.08	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	19 May 2021	0908_MW198_210519	Normal	-	NSW_0908_PFASOMP	0.11	*3.26*	2.67	**5.93**	7.26	0.14	0.28	0.14	<0.02	0.1	0.11	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	10 Nov 2021	0908_MW198_211110	Normal	-	NSW_0908_PFASOMP	0.16	*6.07*	5.53	**11.6**	13.4	0.22	0.45	0.22	<0.02	<0.1	0.10	0.61	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 May 2022	0908_MW198_220530	Normal	-	NSW_0908_PFASOMP	0.08	*3.42*	3.46	**6.88**	7.88	0.08	0.27	0.16	<0.02	<0.1	0.06	0.30	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	30 May 2022	0908_QC117_220530	Field_D	-	NSW_0908_PFASOMP	0.14	*4.44*	4.6	**9.04**	10.4	0.10	0.36	0.21	<0.02	<0.1	0.07	0.42	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	09 Nov 2022	0908_MW198_221109	Normal	-	NSW_0908_PFASOMP	0.08	*4.39*	2.64	**7.03**	7.55	0.04	0.15	0.11	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	10 May 2023	0908_MW198_230510	Normal	-	NSW_0908_PFASOMP_23	0.04	*3.3*	1.84	**5.14**	5.33	<0.02	0.07	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	22 Nov 2023	0908_MW198_231122	Normal	-	NSW_0908_PFASOMP_23	0.14	*7.35*	0.6	**7.95**	8.35	<0.02	0.04	0.08	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW198	18 Apr 2024	0908_MW198_240418	Normal	-	NSW_0908_PFASOMP_24	0.10	*3.32*	1.58	**4.9**	5.56	0.06	0.11	0.12	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	14 Jan 2016	MW200_14012016	Normal	-	NSW_0908_PFAS	<0.01	*0.14*	-	**0.14**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW200	05 Sep 2016	MW200_050916	Normal	-	NSW_0908_PFAS	<0.01	*0.27*	0.15	**0.42**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW200	21 Oct 2016	MW200_211016	Normal	-	NSW_0908_PFAS	<0.01	*0.19*	0.07	**0.26**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW200	18 Jan 2017	MW200_180117	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.27*	0.09	**0.36**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	<0.05	-	-	<0.05	-
MW200	18 Jan 2017	MW200_GW_18012017	Normal	-	NSW_0908_PFAS	0.01	*0.33*	0.24	**0.57**	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	18 Jan 2017	QC715_GW_18012017	Field_D	-	NSW_0908_PFAS	<0.01	<0.01	0.45	**0.45**	0.66	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	05 May 2017	MW200_050517	Normal	-	ACTNSW_Hist_202012-3	0.01	*0.39*	0.2	**0.59**	-	0.01	0.02	<0.01	<0.01	<0.05	0.02	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.12	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW200	29 May 2019	0908_MW200_190529	Normal	-	NSW_0908_PFAS	<0.01	*0.26*	0.04	**0.3**	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	22 May 2020	0908_MW200_200522	Normal	-	NSW_0908_PFASOMP	<0.01	*0.27*	0.04	**0.31**	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	19 May 2021	0908_MW200_210519	Normal	-	NSW_0908_PFASOMP	<0.01	*0.2*	<0.02	**0.2**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	30 May 2022	0908_MW200_220530	Normal	-	NSW_0908_PFASOMP	<0.01	*0.4*	0.06	**0.46**	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	10 May 2023	0908_MW200_230510	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.23*	0.04	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW200	17 Apr 2024	0908_MW200_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.27*	0.2	**0.47**	0.51	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	21 Jan 2016	MW201D_21012016	Normal	-	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW201D	05 Sep 2016	MW201D_050916	Normal	-	NSW_0908_PFAS	<0.01	<0.01	0.16	**0.16**	-	0.01	-	-	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW201D	21 Oct 2016	MW201D_211016	Normal	-	NSW_0908_PFAS	<0.01	*0.02*	0.07	**0.09**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201D	18 Jan 2017	MW201D_180117	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.06*	0.08	**0.14**	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201D	18 Jan 2017	MW201D_GW_18012017	Normal	-	NSW_0908_PFAS	<0.01	<0.01	0.1	**0.1**	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	05 May 2017	MW201D_050517	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.02*	0.06	**0.08**	-	0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW201D	29 May 2019	0908_MW201D_190529	Normal	-	NSW_0908_PFAS	<0.01	*0.11*	0.45	**0.56**	0.66	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	22 May 2020	0908_MW201D_200522	Normal	-	NSW_0908_PFASOMP	<0.01	*0.08*	0.38	**0.46**	0.55	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	30 May 2022	0908_MW201D_220530	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	10 May 2023	0908_MW201D_230510	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201D	17 Apr 2024	0908_MW201D_240417	Normal	-	NSW_0908_PFASOMP_24	0.05	*5.34*	0.58	**5.92**	6.23	0.02	0.04	0.11	<0.02	<0.1	0.03	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	21 Jan 2016	MW201S_21012016	Normal	-	NSW_0908_PFAS	0.02	*4.12*	-	**4.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW201S	05 Sep 2016	MW201S_050916	Normal	-	NSW_0908_PFAS	0.02	*3*	0.21	**3.21**	-	0.02	-	-	<0.01	<0.05	0.01	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW201S	15 Sep 2016	MW201S_150916	Normal	-	NSW_0908_PFAS	0.058	*5.5*	0.49	**5.99**	-	0.045	0.049	0.11	<0.01	<0.5	0.028	0.14	0.017	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW201S	21 Oct 2016	MW201S_211016	Normal	-	NSW_0908_PFAS	0.07	*4.3*	1.5	**5.8**	-	0.07	-	-	<0.01	<0.05	0.04	0.25	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201S	18 Jan 2017	MW201S_180117	Normal	-	ACTNSW_Hist_202012-3	0.1	*8.7*	1.5	**10.2**	-	0.12	-	-	<0.01	0.06	0.06	0.4	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	-	NSW_0908_PFAS	0.16	*14.8*	2.58	**17.38**	18.7	0.16	0.16	0.22	<0.02	<0.1	0.13	0.42	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	18 Jan 2017	MW201S_GW_18012017	Normal	-	NSW_0908_PFAS	-	-	-	**17.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW201S	05 May 2017	MW201S_050517	Normal	-	ACTNSW_Hist_202012-3	0.1	*6.6*	1	**7.6**	-	0.05	0.08	0.18	<0.01	<0.05	0.05	0.18	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW201S	29 May 2019	0908_MW201S_190529	Normal	-	NSW_0908_PFAS	0.12	*4*	1.96	**5.96**	6.82	0.09	0.15	0.12	<0.02	<0.1	0.08	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	22 May 2020	0908_MW201S_200522	Normal	-	NSW_0908_PFASOMP	0.35	*17.4*	7.46	**24.9**	27.4	0.15	0.28	0.34	<0.02	0.1	0.24	0.93	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	19 May 2021	0908_MW201S_210519	Normal	-	NSW_0908_PFASOMP	0.03	*1.49*	0.46	**1.95**	2.15	0.03	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	30 May 2022	0908_MW201S_220530	Normal	-	NSW_0908_PFASOMP	0.02	*1.76*	0.82	**2.58**	2.71	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	10 May 2023	0908_MW201S_230510	Normal	-	NSW_0908_PFASOMP_23	0.03	*1.08*	0.48	**1.56**	1.68	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW201S	17 Apr 2024	0908_MW201S_240417	Normal	-	NSW_0908_PFASOMP_24	0.01	*0.96*	0.28	**1.24**	1.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	20 Jan 2016	MW202D_20012016	Normal	-	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW202D	31 Aug 2016	MW202D_310816	Normal	-	NSW_0908_PFAS	<0.01	<0.01	0.04	0.04	-	0.02	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW202D	18 Oct 2016	MW202D_181016	Normal	-	NSW_0908_PFAS	<0.01	*0.01*	0.03	0.04	-	<0.01	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202D	18 Jan 2017	MW202D_180117	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.03*	0.03	0.06	-	0.01	-	-	<0.01	<0.05	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202D	18 Jan 2017	MW202D_GW_18012017	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	05 May 2017	MW202D_050517	Normal	-	ACTNSW_Hist_202012-3	<0.01	*0.04*	0.08	**0.12**	-	0.02	0.02	<0.01	<0.01	<0.05	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW202D	04 Apr 2018	MW202D_GW_04042018	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.07	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	04 Apr 2018	QC102_GW_04042018	Field_D	-	NSW_0908_PFAS	<0.01	*0.08*	0.05	**0.13**	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	04 Apr 2018	QC102_GW_04042018	Interlab_D	-	NSW_0908_PFAS	<0.01	*0.06*	0.044	**0.104**	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.016	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	-	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	22 Nov 2018	0908_MW202D_181122	Normal	-	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW202D	30 May 2019	0908_MW202D_190530	Normal	-	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	30 May 2019	0908_MW202D_190530	Normal	-	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW202D	08 Nov 2019	0908_MW202D_191108	Normal	-	NSW_0908_PFASOMP	0.02	*0.05*	0.8	**0.85**	1.28	0.09	0.10	<0.02	<0.02	<0.1	0.04	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	29 May 2020	0908_MW202D_200529	Normal	-	NSW_0908_PFASOMP	<0.01	*0.07*	0.11	**0.18**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	17 Nov 2020	0908_MW202_D_201117	Normal	-	NSW_0908_PFASOMP	0.01	*0.18*	0.48	**0.66**	0.94	0.05	0.06	0.02	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	17 May 2021	0908_MW202D_210517	Normal	-	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	10 Nov 2021	0908_MW202D_211110	Normal	-	NSW_0908_PFASOMP	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	19 May 2022	0908_MW202D_220519	Normal	-	NSW_0908_PFASOMP	<0.01	*0.12*	0.1	**0.22**	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	19 May 2022	0908_QC212_220519	Interlab_D	-	NSW_0908_PFASOMP	<0.01	*0.11*	0.05	**0.16**	0.16	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW202D	10 Nov 2022	0908_MW202D_221110	Normal	-	NSW_0908_PFASOMP	<0.01	*0.14*	0.09	**0.23**	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	10 May 2023	0908_MW202D_230510	Normal	-	NSW_0908_PFASOMP_23	0.02	*0.52*	0.41	**0.93**	1.14	0.03	0.04	0.05	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	22 Nov 2023	0908_MW202D_231122	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.13*	0.07	**0.2**	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202D	18 Apr 2024	0908_MW202D_240418	Normal	-	NSW_0908_PFASOMP_24	0.01	*0.22*	0.33	**0.55**	0.70	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	20 Jan 2016	MW202S_20012016	Normal	-	NSW_0908_PFAS	<0.01	*0.28*	-	**0.28**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW202S	31 Aug 2016	MW202S_310816	Normal	-	NSW_0908_PFAS	0.02	*1*	0.43	**1.43**	-	0.01	-	-	<0.01	<0.05	0.02	0.12	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW202S	15 Sep 2016	MW202S_150916	Normal	-	NSW_0908_PFAS	0.03	*0.82*	0.37	**1.19**	-	0.019	0.033	0.032	<0.01	<0.5	0.025	0.073	0.011	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
MW202S	18 Oct 2016	MW202S_181016	Normal	-	NSW_0908_PFAS	0.03	*1.9*	0.55	**2.45**	-	0.02	-	-	<0.01	<0.05	0.02	0.11	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	18 Jan 2017	MW202S_180117	Normal	-	ACTNSW_Hist_202012-3	0.03	*1.3*	0.37	**1.67**	-	0.01	-	-	<0.01	<0.05	0.02	0.07	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	18 Jan 2017	MW202S_GW_18012017	Normal	-	NSW_0908_PFAS	0.02	*0.45*	0.23	**0.68**	0.76	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	18 Jan 2017	QC113_180117	Field_D	-	ACTNSW_Hist_202012-3	0.03	*0.76*	0.2	**0.96**	-	<0.01	-	-	<0.01	<0.05	0.01	0.06	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	MW202S_150217	Normal	-	ACTNSW_Hist_202012-3	0.02	*0.53*	0.13	**0.66**	-	<0.01	-	-	<0.01	<0.05	0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	MW202S_150217	Normal	-	NSW_0908_PFAS	0.02	*0.53*	0.13	**0.66**	-	<0.01	-	-	<0.01	<0.05	0.01	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	15 Feb 2017	QC118_150217	Field_D	-	ACTNSW_Hist_202012-3	0.02	*0.6*	0.09	**0.69**	-	<0.01	-	-	<0.01	<0.05	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW202S	05 May 2017	MW202S_050517	Normal	-	ACTNSW_Hist_202012-3	0.02	*0.69*	0.35	**1.04**	-	0.02	0.03	0.02	<0.01	<0.05	0.02	0.06	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW202S	04 Apr 2018	MW202S_GW_04042018	Normal	-	NSW_0908_PFAS	<0.01	*0.15*	0.05	**0.2**	0.3	<0.02	<0.02	<0.02	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	22 Nov 2018	0908_MW202S_181122	Normal	-	NSW_0908_PFAS	<0.01	*0.8*	0.16	**0.96**	0.96	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	30 May 2019	0908_MW202S_190530	Normal	-	NSW_0908_PFAS	0.01	*1.38*	0.08	**1.46**	1.47	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	08 Nov 2019	0908_MW202S_191108	Normal	-	NSW_0908_PFASOMP	0.01	*0.81*	0.14	**0.95**	0.96	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	24 May 2021	0908_MW202S_210524	Normal	-	NSW_0908_PFASOMP	<0.01	*0.61*	0.3	**0.91**	0.94	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 Nov 2021	0908_MW202S_211110	Normal	-	NSW_0908_PFASOMP	0.02	*0.34*	0.11	**0.45**	0.55	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	19 May 2022	0908_MW202S_220519	Normal	-	NSW_0908_PFASOMP	0.01	*0.65*	0.41	**1.06**	1.17	<0.02	0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	19 May 2022	0908_QC112_220519	Field_D	-	NSW_0908_PFASOMP	0.01	*0.71*	0.41	**1.12**	1.22	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 Nov 2022	0908_MW202S_221110	Normal	-	NSW_0908_PFASOMP	0.02	*0.44*	0.34	**0.78**	0.85	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	10 May 2023	0908_MW202S_230510	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.2*	0.1	**0.3**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	22 Nov 2023	0908_MW202S_231122	Normal	-	NSW_0908_PFASOMP_23	0.02	*0.25*	0.34	**0.59**	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW202S	18 Apr 2024	0908_MW202S_240418	Normal	-	NSW_0908_PFASOMP_24	0.01	*0.6*	0.27	**0.87**	0.93	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	27 Jan 2016	MW208_27012016	Normal	-	NSW_0908_PFAS	0.1	*13.2*	-	**13.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
MW208	27 Jan 2016	QC114_WG_27012016	Interlab_D	-	NSW_0908_PFAS	0.082	*12*	-	**12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
MW208	26 Aug 2016	MW208_260816	Normal	-	NSW_0908_PFAS	0.23	*13*	2.8	**15.8**	-	0.16	-	-	<0.01	0.1	0.22	2.2	0.34	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW208	18 Oct 2016	MW208_181016	Normal	-	NSW_0908_PFAS	0.2	*12*	11	**23**	-	0.1	-	-	<0.01	0.06	0.12	0.97	0.62	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	18 Oct 2016	QC103_181016	Field_D	-	NSW_0908_PFAS	0.17	*10*	9.4	**19.4**	-	0.1	-	-	<0.01	<0.05	0.11	0.79	0.48	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	17 Jan 2017	MW208_170117	Normal	-	ACTNSW_Hist_202012-3	0.35	*13*	4.1	**17.1**	-	0.05	-	-	<0.01	0.07	0.06	0.44	0.08	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	17 Jan 2017	MW208_170117	Normal	-	NSW_0908_PFAS	0.35	*13*	4.1	**17.1**	-	0.05	-	-	<0.01	0.07	0.06	0.44	0.08	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW208	19 Jan 2017	MW208_GW_170119	Normal	-	NSW_0908_PFAS	0.32	*8.8*	7.72	**16.5**	18.1	0.13	0.16	0.28	<0.02	<0.1	0.1	0.53	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	19 Jan 2017	MW208_GW_170119	Normal	-	NSW_0908_PFAS	-	-	-	**16.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW208	09 May 2017	MW208_090517	Normal	-	ACTNSW_Hist_202012-3	**0.92**	*17*	5.7	**22.7**	-	0.11	0.18	0.34	<0.01	0.22	0.3	0.84	0.34	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.2	<0.05	<0.05	<0.2	<0.05	<0.05
MW208	28 May 2019	0908_MW208_190528	Normal	-	NSW_0908_PFAS	0.12	*8.37*	1.94	**10.3**	11	0.02	0.04	0.21	<0.02	<0.1	0.05	0.19	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	28 May 2019	0908_MW208_190528	Normal	-	NSW_0908_PFAS	-	-	-	**10.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW208	17 Oct 2019	0908_MW208_191017	Normal	-	NSW_0908_PFASMGMT	0.10	*6.98*	1.13	**8.11**	8.72	0.04	0.07	0.13	<0.02	<0.1	0.07	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	06 Nov 2019	0908_MW208_191106	Normal	-	NSW_0908_PFASOMP	0.09	*6.86*	1.3	**8.16**	8.85	0.04	0.05	0.12	<0.02	<0.1	0.09	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	12 May 2020	0908_MW208_200512	Normal	-	NSW_0908_PFASOMP	0.10	*7.06*	1.17	**8.23**	8.75	0.03	0.04	0.21	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	17 Nov 2020	0908_MW208_201117	Normal	-	NSW_0908_PFASOMP	0.54	*21.7*	5.67	**27.4**	31.2	0.14	0.42	1.16	<0.02	0.1	0.26	1.00	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	14 May 2021	0908_MW208_210514	Normal	-	NSW_0908_PFASOMP	0.18	*9.62*	2.8	**12.4**	16.0	0.67	0.70	0.19	<0.02	0.1	0.38	1.22	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 Nov 2021	0908_MW208_211108	Normal	-	NSW_0908_PFASOMP	0.27	*11.7*	4.05	**15.8**	20.5	0.24	0.35	0.15	<0.02	0.2	0.30	1.80	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	1.29	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	24 May 2022	0908_MW208_220524	Normal	-	NSW_0908_PFASOMP	0.36	*24.1*	5.11	**29.2**	31.1	0.07	0.17	0.53	<0.02	0.1	0.09	0.43	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 Nov 2022	0908_MW208_221108	Normal	-	NSW_0908_PFASOMP	0.39	*8.3*	5.31	**13.6**	15.8	0.14	0.15	0.60	<0.02	0.1	0.14	0.56	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	08 May 2023	0908_MW208_230508	Normal	-	NSW_0908_PFASOMP_23	0.26	*11*	2.87	**13.9**	15.9	0.08	0.15	0.61	<0.02	<0.1	0.16	0.58	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW208	23 Nov 2023	0908_MW208_231123	Normal	-	NSW_0908_PFASOMP_23	0.18	*9.08*	2.01	**11.1**	12.4	0.06	0.06	0.23	<0.02	<0.1	0.15	0.33	0.09	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW208	17 Apr 2024	0908_MW208_240417	Normal	-	NSW_0908_PFASOMP_24		0.24	*21.6*	4.8	**26.4**	28.0	0.07	0.12	0.42	<0.02	<0.1	0.17	0.32	0.09	0.16	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	18 Jan 2016	MW210D_18012016	Normal	-	NSW_0908_PFAS		0.02	<0.01	0.5	**0.5**	-	0.67	-	-	<0.02	-	-	0.66	0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW210D	26 Aug 2016	MW210D_260816	Normal	-	NSW_0908_PFAS		<0.01	*0.02*	0.38	**0.4**	-	0.29	-	-	<0.01	<0.05	0.06	0.42	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW210D	17 Oct 2016	MW210D_171016	Normal	-	NSW_0908_PFAS		<0.01	*0.02*	0.46	**0.48**	-	0.38	-	-	<0.01	0.06	0.08	0.41	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	13 Jan 2017	MW210D_GW_13012017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.35	**0.35**	1.1	0.48	0.11	<0.02	<0.02	<0.1	0.09	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	13 Jan 2017	QC712_GW_13012017	Field_D	-	NSW_0908_PFAS		<0.01	<0.01	0.31	**0.31**	1.05	0.48	0.1	<0.02	<0.02	<0.1	0.1	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	16 Jan 2017	MW210D_160117	Normal	-	ACTNSW_Hist_202012-3		<0.01	<0.01	0.27	**0.27**	-	0.22	-	-	<0.01	<0.05	0.04	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	16 Jan 2017	MW210D_160117	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.27	**0.27**	-	0.22	-	-	<0.01	<0.05	0.04	0.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210D	08 May 2017	MW210D_080517	Normal	-	ACTNSW_Hist_202012-3		<0.01	*0.02*	0.41	**0.43**	-	0.35	0.18	<0.01	<0.01	<0.05	0.07	0.31	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW210D	28 May 2019	0908_MW210D_190528	Normal	-	NSW_0908_PFAS		<0.01	*0.09*	0.34	**0.43**	1.28	0.28	0.19	<0.02	<0.02	<0.1	0.08	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	12 May 2020	0908_MW210D_200512	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.38	0.09	0.03	<0.02	<0.02	0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	14 May 2021	0908_MW210D_210514	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.05	0.05	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	24 May 2022	0908_MW210D_220524	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	24 May 2022	0908_QC214_220524	Interlab_D	-	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.07	0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW210D	08 May 2023	0908_MW210D_230508	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210D	17 Apr 2024	0908_MW210D_240417	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	0.02	0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	18 Jan 2016	MW210S_18012016	Normal	-	NSW_0908_PFAS		0.19	*10.5*	2.32	**12.82**	-	0.32	-	-	<0.02	-	-	0.71	0.12	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
MW210S	26 Aug 2016	MW210S_260816	Normal	-	NSW_0908_PFAS		0.1	*15*	1.4	**16.4**	-	0.15	-	-	<0.01	<0.05	0.04	0.55	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW210S	17 Oct 2016	MW210S_171016	Normal	-	NSW_0908_PFAS		0.08	*19*	1.6	**20.6**	-	0.19	-	-	<0.01	<0.05	0.05	0.59	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	-	NSW_0908_PFAS		0.15	*15.6*	1.24	**16.8**	17.6	0.23	0.09	0.12	<0.02	<0.1	0.1	0.08	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	13 Jan 2017	MW210S_GW_13012017	Normal	-	NSW_0908_PFAS		-	-	-	**16.84**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	-	NSW_0908_PFAS		0.15	*15.2*	1.43	**16.6**	17.5	0.23	0.12	0.13	<0.02	<0.1	0.1	0.12	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	13 Jan 2017	QC713_GW_13012017	Field_D	-	NSW_0908_PFAS		-	-	-	**16.63**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW210S	16 Jan 2017	MW210S_160117	Normal	-	ACTNSW_Hist_202012-3		0.09	*8.6*	1.6	**10.2**	-	0.18	-	-	<0.01	<0.05	0.04	0.37	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	16 Jan 2017	MW210S_160117	Normal	-	NSW_0908_PFAS		0.09	*8.6*	1.6	**10.2**	-	0.18	-	-	<0.01	<0.05	0.04	0.37	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW210S	08 May 2017	MW210S_080517	Normal	-	ACTNSW_Hist_202012-3		0.15	*15*	1.8	**16.8**	-	0.21	0.22	0.11	<0.01	0.06	0.09	0.55	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW210S	28 May 2019	0908_MW210S_190528	Normal	-	NSW_0908_PFAS		0.08	*17.9*	0.7	**18.6**	19.1	0.05	0.06	0.1	<0.02	<0.1	0.02	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	12 May 2020	0908_MW210S_200512	Normal	-	NSW_0908_PFASOMP		0.10	*11.4*	1.14	**12.5**	13.4	0.11	0.09	0.08	<0.02	<0.1	0.11	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	12 May 2020	0908_QC100_200512	Field_D	-	NSW_0908_PFASOMP		0.09	*11.6*	1.15	**12.8**	13.6	0.10	0.10	0.08	<0.02	<0.1	0.11	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	12 May 2020	0908_QC200_200512	Interlab_D	-	NSW_0908_PFASOMP		0.076	*11*	1.1	**12.1**	-	0.067	0.089	0.065	<0.01	0.080	0.089	0.29	0.049	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.017	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW210S	14 May 2021	0908_MW210S_210514	Normal	-	NSW_0908_PFASOMP		0.03	*1.1*	0.22	**1.32**	1.44	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	24 May 2022	0908_MW210S_220524	Normal	-	NSW_0908_PFASOMP		0.08	*1.03*	1.78	**2.81**	4.26	0.15	0.17	0.07	<0.02	0.1	0.09	0.67	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	24 May 2022	0908_QC114_220524	Field_D	-	NSW_0908_PFASOMP		0.11	*1.15*	1.98	**3.13**	4.79	0.18	0.20	0.08	<0.02	0.1	0.13	0.73	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	08 May 2023	0908_MW210S_230508	Normal	-	NSW_0908_PFASOMP_23		0.08	*8.59*	0.89	**9.48**	10.2	0.10	0.10	0.07	<0.02	<0.1	0.06	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW210S	17 Apr 2024	0908_MW210S_240417	Normal	-	NSW_0908_PFASOMP_24		0.08	*14.8*	0.67	**15.5**	16.1	0.05	0.08	0.09	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 Mar 2017	MW230S_GW_150317	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 Mar 2017	QC704_150317	Field_D	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	03 Jun 2019	0908_MW230S_190603	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	14 Nov 2019	0908_MW230S_191114	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	27 Nov 2020	0908_MW230_S_201127	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	16 May 2022	0908_MW230S_220516	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	14 Nov 2022	0908_MW230S_221114	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	15 May 2023	0908_MW230S_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	27 Nov 2023	0908_MW230S_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	23 Apr 2024	0908_MW230S_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW230S	19 Sep 2024	0908_MW230S_230919	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	02 Feb 2017	MW231D_GW_02022017	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.10	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW231D	18 Apr 2018	MW231D_GW_18042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231D	06 Jun 2019	0908_MW231D_190606	Normal	Risk Zone C	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231D	27 May 2020	0908_MW231D_200527	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	12 Nov 2020	0908_MW231_D_201112	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	12 Nov 2021	0908_MW231D_211112	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	18 May 2022	0908_MW231D_220518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	14 Nov 2022	0908_MW231D_221114	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	17 May 2023	0908_MW231D_230517	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	28 Nov 2023	0908_MW231D_231128	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	23 Apr 2024	0908_MW231D_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231D	20 Sep 2024	0908_MW231D_240920	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW231S	02 Feb 2017	MW231S_GW_02022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.10	<0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW231S	18 Apr 2018	MW231S_GW_18042018	Normal	Risk Zone C	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231S	06 Jun 2019	0908_MW231S_190606	Normal	Risk Zone C	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW231S	27 May 2020	0908_MW231S_200527	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	12 Nov 2020	0908_MW231_S_201112	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	12 Nov 2021	0908_MW231S_211112	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	18 May 2022	0908_MW231S_220518	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	14 Nov 2022	0908_MW231S_221114	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	17 May 2023	0908_MW231S_230517	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	28 Nov 2023	0908_MW231S_231128	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	23 Apr 2024	0908_MW231S_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW231S	20 Sep 2024	0908_MW231S_240920	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	*0.02*	<0.01	0.02	0.99	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.88	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Feb 2017	MW232D_GW_10022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Feb 2017	QC727_GW_10022017	Field_D	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	10 Apr 2018	MW232D_GW_10042018	Normal	Risk Zone C	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	06 Dec 2018	0908_MW232D_181206	Normal	Risk Zone C	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	29 May 2019	0908_MW232D_190529	Normal	Risk Zone C	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	08 Nov 2019	0908_MW232D_191108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW232D	18 May 2020	0908_MW232D_200518	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	25 Nov 2020	0908_MW232_D_201125	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	12 May 2021	0908_MW232D_210512	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 Nov 2021	0908_MW232D_211111	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 Nov 2021	0908_QC202_211111	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW232D	18 May 2022	0908_MW232D_220518	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	18 May 2022	0908_QC207_220518	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW232D	08 Nov 2022	0908_MW232D_221108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.18*	<0.01	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	11 May 2023	0908_MW232D_230511	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	24 Nov 2023	0908_MW232D_231124	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	22 Apr 2024	0908_MW232D_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232D	20 Sep 2024	0908_MW232D_240920	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	10 Feb 2017	MW232S_GW_10022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	10 Apr 2018	MW232S_GW_10042018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	06 Dec 2018	0908_MW232S_181206	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	29 May 2019	0908_MW232S_190529	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_MW232S_191108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_QC104_191108	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2019	0908_QC204_191108	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05	<0.02	<0.01
MW232S	18 May 2020	0908_MW232S_200518	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	25 Nov 2020	0908_MW232_ S_201125	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	12 May 2021	0908_MW232S_210512	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	11 Nov 2021	0908_MW232S_211111	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	18 May 2022	0908_MW232S_220518	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	08 Nov 2022	0908_MW232S_221108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	11 May 2023	0908_MW232S_230511	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	24 Nov 2023	0908_MW232S_231124	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	22 Apr 2024	0908_MW232S_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW232S	20 Sep 2024	0908_MW232S_240920	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	17 Feb 2017	MW238D_GW_17022017	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	28 Nov 2018	0908_MW238D_181128	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	06 Jun 2019	0908_MW238D_190606	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	08 Nov 2019	0908_MW238D_191108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	27 May 2020	0908_MW238D_200527	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	13 Nov 2020	0908_MW238_D_201113	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	10 May 2021	0908_MW238D_210510	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	11 Nov 2021	0908_MW238D_211111	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	16 May 2022	0908_MW238D_220516	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	14 Nov 2022	0908_MW238D_221114	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water							**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																													
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																																
MW238D	15 May 2023	0908_MW238D_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	27 Nov 2023	0908_MW238D_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	22 Apr 2024	0908_MW238D_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238D	19 Sep 2024	0908_MW238D_240919	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	17 Feb 2017	MW238S_GW_17022017	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	28 Nov 2018	0908_MW238S_181128	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	06 Jun 2019	0908_MW238S_190606	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	08 Nov 2019	0908_MW238S_191108	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	27 May 2020	0908_MW238S_200527	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	13 Nov 2020	0908_MW238_S_201113	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	10 May 2021	0908_MW238S_210510	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	11 Nov 2021	0908_MW238S_211111	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	16 May 2022	0908_MW238S_220516	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	14 Nov 2022	0908_MW238S_221114	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	15 May 2023	0908_MW238S_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	27 Nov 2023	0908_MW238S_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	22 Apr 2024	0908_MW238S_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW238S	19 Sep 2024	0908_MW238S_240919	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	20 Mar 2017	MW240D_GW_200317	Normal	-	NSW_0908_PFAS		<0.01	*0.02*	0.14	**0.16**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	-	NSW_0908_PFAS		<0.01	<0.01	0.18	**0.18**	0.3	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	MW240D_GW_19042018	Normal	-	NSW_0908_PFAS		-	-	-	**0.19**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	-	NSW_0908_PFAS		<0.01	<0.01	0.18	**0.18**	0.31	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	19 Apr 2018	QC104_GW_19042018	Field_D	-	NSW_0908_PFAS		-	-	-	**0.19**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	19 Apr 2018	QC204_GW_19042018	Interlab_D	-	NSW_0908_PFAS		<0.01	<0.02	0.1	**0.12**	-	0.023	0.022	<0.01	<0.01	<0.05	<0.02	0.035	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	-	NSW_0908_PFAS		0.02	<0.01	0.28	**0.28**	0.48	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	22 Nov 2018	0908_MW240D_181122	Normal	-	NSW_0908_PFAS		-	-	-	**0.29**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW240D	23 Jan 2019	0908_MW240D_190123	Normal	-	NSW_0908_PFASMGMT		0.03	<0.01	0.45	**0.45**	0.74	0.08	0.07	<0.02	<0.02	<0.1	<0.02	0.08	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	31 May 2019	0908_MW240D_190531	Normal	-	NSW_0908_PFAS		0.06	*0.02*	0.51	**0.53**	0.78	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.07	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	23 Oct 2019	0908_MW240D_191023	Normal	-	NSW_0908_PFASMGMT		0.09	*0.09*	0.55	**0.64**	0.99	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	06 Nov 2019	0908_MW240D_191107	Normal	-	NSW_0908_PFASOMP		0.07	*0.02*	0.49	**0.51**	0.71	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	15 May 2020	0908_MW240D_200515	Normal	-	NSW_0908_PFASOMP		0.07	*0.05*	0.51	**0.56**	0.78	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	16 Nov 2020	0908_MW240_D_201116	Normal	-	NSW_0908_PFASOMP		0.04	*0.04*	0.34	**0.38**	0.54	0.03	0.04	<0.02	<0.02	<0.10	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	26 May 2022	0908_MW240D_220526	Normal	-	NSW_0908_PFASOMP		0.06	*0.04*	0.4	**0.44**	0.60	0.02	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	26 May 2022	0908_QC215_220526	Interlab_D	-	NSW_0908_PFASOMP		0.05	*0.03*	0.32	**0.35**	0.50	0.02	0.03	0.01	<0.02	<0.02	<0.02	0.03	0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW240D	10 Nov 2022	0908_MW240D_221110	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	0.06	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	10 Nov 2022	0908_QC101_221110	Field_D	-	NSW_0908_PFASOMP		<0.01	<0.01	0.09	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	10 Nov 2022	0908_QC201_221110	Interlab_D	-	NSW_0908_PFASOMP		<0.01	<0.01	0.07	0.07	0.07	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW240D	10 May 2023	0908_MW240D_230510	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	22 Nov 2023	0908_MW240D_231122	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	0.08	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	17 Apr 2024	0908_MW240D_240417	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	0.1	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW240D	25 Sep 2024	0908_MW240D_240925	Normal	-	NSW_0908_PFASOMP_24		0.01	<0.01	0.15	**0.15**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	08 Feb 2017	MW241D_GW_08022017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	27 Apr 2018	MW241D_GW_27042018	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	27 Nov 2018	0908_MW241D_181127	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_MW241D_190524	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_QC102_190524	Field_D	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2019	0908_QC202_190524	Interlab_D	-	NSW_0908_PFAS		<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	19 Nov 2019	0908_MW241D_191119	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_MW241D_200520	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.34	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_QC109_200520	Field_D	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.24	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2020	0908_QC209_200520	Interlab_D	-	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	0.20	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	26 Nov 2020	0908_MW241_D_201126	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_MW241D_210520	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_QC105_210520	Field_D	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	20 May 2021	0908_QC205_210520	Interlab_D	-	NSW_0908_PFASOMP		<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	0.026	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	0.084	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW241D	15 Nov 2021	0908_MW241D_211115	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	24 May 2022	0908_MW241D_220524	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	10 Nov 2022	0908_MW241D_221110	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW241D	12 May 2023	0908_MW241D_230512	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Nov 2023	0908_MW241D_231123	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	31 Jul 2024	0908_MW241D_240731	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_MW241D_240923	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_QC106_240923	Field_D	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241D	23 Sep 2024	0908_QC206_240923	Interlab_D	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW241S	08 Feb 2017	MW241S_GW_08022017	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	27 Apr 2018	MW241S_GW_27042018	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	27 Nov 2018	0908_MW241S_181127	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	26 Nov 2020	0908_MW241_S_201126	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	20 May 2021	0908_MW241S_210520	Normal	-	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	15 Nov 2021	0908_MW241S_211115	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	24 May 2022	0908_MW241S_220524	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_MW241S_221110	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_QC115_221110	Field_D	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	10 Nov 2022	0908_QC215_221110	Interlab_D	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW241S	12 May 2023	0908_MW241S_230512	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	23 Nov 2023	0908_MW241S_231123	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	31 Jul 2024	0908_MW241S_240731	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW241S	23 Sep 2024	0908_MW241S_240923	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	07 Mar 2017	MW245D_GW_070317	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	07 Mar 2017	QC703_GW_070317	Field_D	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	29 May 2019	0908_MW245D_190529	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	15 May 2020	0908_MW245D_200515	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_MW245D_210524	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_QC107_210524	Field_D	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	24 May 2021	0908_QC207_210524	Interlab_D	-	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW245D	30 May 2022	0908_MW245D_220530	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	10 May 2023	0908_MW245D_230510	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245D	17 Apr 2024	0908_MW245D_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	07 Mar 2017	MW245S_GW_070317	Normal	-	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	30 May 2022	0908_MW245S_220530	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	10 May 2023	0908_MW245S_230510	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW245S	17 Apr 2024	0908_MW245S_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	01 Feb 2017	MW247D_GW_01022017	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	01 Feb 2017	QC722_GW_01022017	Field_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	28 Feb 2017	MW247D_GW_280217	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	MW247D_GW_12042018	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	QC103_GW_12042018	Field_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Apr 2018	QC203_GW_1204218	Interlab_D	Risk Zone B	NSW_0908_PFAS	<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW247D	30 Nov 2018	0908_MW247D_181130	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	31 May 2019	0908_MW247D_190531	Normal	Risk Zone B	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	06 Nov 2019	0908_MW247D_191106	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.03*	<0.02	0.03	0.05	<0.02	<0.02	<0.02	0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	15 May 2020	0908_MW247D_200515	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	24 Nov 2020	0908_MW247_D_201124	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	18 May 2021	0908_MW247D_210518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Nov 2021	0908_MW247D_211112	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.05*	0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	12 Nov 2021	0908_QC106_211112	Field_D	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.05*	0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	18 May 2022	0908_MW247D_220518	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	08 Nov 2022	0908_MW247D_221108	Normal	Risk Zone B	NSW_0908_PFASOMP	<0.01	*0.07*	0.03	**0.1**	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	08 May 2023	0908_MW247D_230508	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	*0.07*	0.04	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	24 Nov 2023	0908_MW247D_231124	Normal	Risk Zone B	NSW_0908_PFASOMP_23	<0.01	*0.07*	0.04	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	22 Apr 2024	0908_MW247D_240422	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_MW247D_240923	Normal	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_QC107_240923	Field_D	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.06*	0.04	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247D	23 Sep 2024	0908_QC207_240923	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_24	<0.01	*0.06*	0.04	**0.1**	0.10	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW247S	01 Feb 2017	MW247S_GW_01022017	Normal	Risk Zone B	NSW_0908_PFAS	0.03	*0.21*	0.76	**0.97**	1.43	<0.02	0.09	<0.02	<0.02	<0.1	<0.02	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	01 Feb 2017	QC821_GW_01022017	Interlab_D	Risk Zone B	NSW_0908_PFAS	0.037	*0.19*	1.1	**1.29**	-	0.057	-	-	<0.02	<0.05	0.042	0.14	0.029	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW247S	28 Feb 2017	MW247S_GW_280217	Normal	Risk Zone B	NSW_0908_PFAS		0.09	*0.27*	1.21	**1.48**	2.1	0.09	0.09	0.06	<0.02	<0.1	0.06	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	12 Apr 2018	MW247S_GW_12042018	Normal	Risk Zone B	NSW_0908_PFAS		0.06	*1.24*	0.5	**1.74**	2.12	<0.02	0.03	0.06	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	0.06	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	30 Nov 2018	0908_MW247S_181130	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*0.48*	0.61	**1.09**	1.48	0.06	0.07	0.02	<0.02	<0.1	0.04	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	31 May 2019	0908_MW247S_190531	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*1.88*	0.29	**2.17**	2.29	<0.02	0.02	0.04	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	06 Nov 2019	0908_MW247S_191106	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*1.35*	0.44	**1.79**	2.04	0.04	0.02	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	15 May 2020	0908_MW247S_200515	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*1.93*	0.38	**2.31**	2.46	<0.02	<0.02	0.02	<0.02	<0.1	0.05	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	24 Nov 2020	0908_MW247_S_201124	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*0.93*	0.1	**1.03**	1.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	18 May 2021	0908_MW247S_210518	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*0.55*	1.75	**2.3**	3.01	0.09	0.22	<0.02	<0.02	<0.1	0.03	0.27	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	12 Nov 2021	0908_MW247S_211112	Normal	Risk Zone B	NSW_0908_PFASOMP		0.04	*0.96*	1.09	**2.05**	2.50	0.07	0.09	0.03	<0.02	<0.1	0.03	0.15	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	18 May 2022	0908_MW247S_220518	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*0.33*	0.7	**1.03**	1.33	0.04	0.05	0.02	<0.02	<0.1	0.04	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	08 Nov 2022	0908_MW247S_221108	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*0.46*	0.86	**1.32**	1.61	0.05	0.05	0.02	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	08 May 2023	0908_MW247S_230508	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.02	*0.24*	0.54	**0.78**	1.02	0.03	0.04	0.02	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	24 Nov 2023	0908_MW247S_231124	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.23*	0.08	**0.31**	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	22 Apr 2024	0908_MW247S_240422	Normal	Risk Zone B	NSW_0908_PFASOMP_24		0.01	*0.79*	0.3	**1.09**	1.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW247S	23 Sep 2024	0908_MW247S_240923	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.06*	0.11	**0.17**	0.23	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	20 Feb 2017	MW252S_GW_200217	Normal	Risk Zone B	NSW_0908_PFAS		0.06	*3.69*	1.07	**4.76**	5.16	0.06	0.08	0.08	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	27 Apr 2018	MW252S_GW_27042018	Normal	Risk Zone B	NSW_0908_PFAS		0.03	*3.87*	0.78	**4.65**	4.95	0.05	0.07	0.05	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	30 May 2019	0908_MW252S_190530	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*2.67*	0.94	**3.61**	3.88	0.06	0.08	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	30 May 2019	0908_QC104_160530	Field_D	Risk Zone B	NSW_0908_PFAS		0.02	*2.7*	0.97	**3.67**	3.94	0.06	0.08	0.04	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	30 May 2019	0908_QC204_190530	Interlab_D	Risk Zone B	NSW_0908_PFAS		0.019	*3.2*	0.94	**4.14**	-	0.057	0.062	0.031	<0.01	<0.05	<0.02	0.054	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW252S	19 May 2020	0908_MW252S_200519	Normal	Risk Zone B	NSW_0908_PFASOMP		0.01	*1.65*	0.69	**2.34**	2.54	0.05	0.06	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	11 May 2023	0908_MW252S_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.02	*0.93*	0.39	**1.32**	1.39	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_MW252S_240424	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.6*	0.41	**1.01**	1.08	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_QC115_240424	Field_D	Risk Zone B	NSW_0908_PFASOMP_24		0.01	*0.63*	0.47	**1.1**	1.19	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW252S	24 Apr 2024	0908_QC215_240424	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_24		0.01	*0.59*	0.45	**1**	1.2	0.02	0.03	0.02	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255D	01 Mar 2017	MW255D_GW_010317	Normal	Risk Zone D	NSW_0908_PFAS		<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW255D	29 Mar 2018	MW255D_GW_29032018	Normal	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	20 Nov 2018	0908_MW255D_181120	Normal	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	23 May 2019	0908_MW255D_190523	Normal	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	19 May 2020	0908_MW255D_200519	Normal	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	13 May 2021	0908_MW255D_210513	Normal	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	18 May 2022	0908_MW255D_220518	Normal	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	18 May 2022	0908_QC106_220518	Field_D	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	09 May 2023	0908_MW255D_230509	Normal	Risk Zone D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	09 May 2023	0908_QC109_230509	Field_D	Risk Zone D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	09 May 2023	0908_QC209_230509	Interlab_D	Risk Zone D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255D	16 Apr 2024	0908_MW255D_240416	Normal	Risk Zone D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	16 Apr 2024	0908_QC106_240416	Field_D	Risk Zone D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255D	16 Apr 2024	0908_QC206_240416	Interlab_D	Risk Zone D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255S	01 Mar 2017	MW255S_GW_010317	Normal	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	29 Mar 2018	MW255S_GW_29032018	Normal	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	20 Nov 2018	0908_MW255S_181120	Normal	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	20 Nov 2018	0908_QC101_181120	Field_D	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	20 Nov 2018	0908_QC200_181120	Interlab_D	Risk Zone D	NSW_0908_PFAS		<0.01	<0.02	<0.01	<0.03	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.014	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW255S	23 May 2019	0908_MW255S_190523	Normal	Risk Zone D	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	19 May 2020	0908_MW255S_200519	Normal	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	13 May 2021	0908_MW255S_210513	Normal	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	18 May 2022	0908_MW255S_220518	Normal	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	18 May 2022	0908_QC206_220518	Interlab_D	Risk Zone D	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW255S	09 May 2023	0908_MW255S_230509	Normal	Risk Zone D	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW255S	16 Apr 2024	0908_MW255S_240416	Normal	Risk Zone D	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	30 Jan 2017	MW256D_GW_300117	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	29 Mar 2018	MW256D_GW_29032018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	04 Dec 2018	0908_MW256D_18124	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	21 May 2019	0908_MW256D_190521	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	04 Nov 2019	0908_MW256D_191104	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	18 May 2020	0908_MW256D_200518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	23 Nov 2020	0908_MW256_D_201123	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW256D	13 May 2021	0908_MW256D_210513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	09 Nov 2021	0908_MW256D_211109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	17 May 2022	0908_MW256D_220517	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	07 Nov 2022	0908_MW256D_221107	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	08 May 2023	0908_MW256D_230508	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	08 May 2023	0908_QC101_230508	Field_D	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	21 Nov 2023	0908_MW256D_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_MW256D_240415	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_QC100_240415	Field_D	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256D	15 Apr 2024	0908_QC200_240415	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	30 Jan 2017	MW256S_GW_300117	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	29 Mar 2018	MW256S_GW_29032018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	20 Nov 2018	0908_MW256S_181120	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	23 May 2019	0908_MW256S_190523	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	04 Nov 2019	0908_MW256S_191104	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	18 May 2020	0908_MW256S_200518	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	23 Nov 2020	0908_MW256_S_201123	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	13 May 2021	0908_MW256S_210513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	09 Nov 2021	0908_MW256S_211109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	17 May 2022	0908_MW256S_220517	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_MW256S_221107	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_QC100_221107	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	07 Nov 2022	0908_QC200_221107	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	08 May 2023	0908_MW256S_230508	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	08 May 2023	0908_QC201_230508	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW256S	21 Nov 2023	0908_MW256S_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW256S	16 Apr 2024	0908_MW256S_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	31 Jan 2017	MW257D_GW_310117	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	29 Mar 2018	MW257D_GW_29032018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	06 Dec 2018	0908_MW257D_18126	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	24 May 2019	0908_MW257D_190524	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	04 Nov 2019	0908_MW257D_191104	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	18 Nov 2020	0908_MW257_D_201118	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	13 May 2021	0908_MW257D_210513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	09 Nov 2021	0908_MW257D_211109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	17 May 2022	0908_MW257D_220517	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	07 Nov 2022	0908_MW257D_221107	Normal	Risk Zone C	NSW_0908_PFASOMP	0.02	<0.01	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	08 May 2023	0908_MW257D_230508	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_MW257D_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_QC101_231121	Field_D	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257D	21 Nov 2023	0908_QC201_231121	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW257D	16 Apr 2024	0908_MW257D_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	31 Jan 2017	MW257S_GW_310117	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	29 Mar 2018	MW257S_GW_29032018	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	19 Nov 2018	0908_MW257S_181119	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	21 May 2019	0908_MW257S_190521	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	04 Nov 2019	0908_MW257S_191104	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	18 Nov 2020	0908_MW257_S_201118	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	13 May 2021	0908_MW257S_210513	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	09 Nov 2021	0908_MW257S_211109	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	17 May 2022	0908_MW257S_220517	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	17 May 2022	0908_QC202_220517	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW257S	07 Nov 2022	0908_MW257S_221107	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	08 May 2023	0908_MW257S_230508	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	21 Nov 2023	0908_MW257S_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW257S	16 Apr 2024	0908_MW257S_240416	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 Feb 2017	MW260D_GW_080217	Normal	Risk Zone C	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	06 Apr 2018	MW260D_GW_06042018	Normal	Risk Zone C	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids											PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW260D	19 Nov 2018	0908_MW260D_181119	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 May 2019	0908_MW260D_190524	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	0.04	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 May 2019	0908_MW260D_190524	Normal	Risk Zone C	NSW_0908_PFAS		-	-	-	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW260D	05 Nov 2019	0908_MW260D_191105	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW260D	19 May 2020	0908_MW260D_200519	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	24 Nov 2020	0908_MW260_D_201124	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	14 May 2021	0908_MW260D_210514	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	0.07	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	12 Nov 2021	0908_MW260D_211112	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	18 May 2022	0908_MW260D_220518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 Nov 2022	0908_MW260D_221108	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	08 May 2023	0908_MW260D_230508	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	21 Nov 2023	0908_MW260D_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260D	18 Apr 2024	0908_MW260D_240418	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 Feb 2017	MW260S_GW_080217	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.09*	0.03	**0.12**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	06 Apr 2018	MW260S_GW_06042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.02*	0.04	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	19 Nov 2018	0908_MW260S_181119	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.03*	0.08	**0.11**	1.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.91	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	24 May 2019	0908_MW260S_190524	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	05 Nov 2019	0908_MW260S_191105	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	0.03	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	18 May 2020	0908_MW260S_200518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.03*	0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	24 Nov 2020	0908_MW260_S_201124	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	14 May 2021	0908_MW260S_210514	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	12 Nov 2021	0908_MW260S_211112	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.02*	0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	12 Nov 2021	0908_QC205_211112	Interlab_D	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.02*	0.02	0.04	0.04	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW260S	18 May 2022	0908_MW260S_220518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 Nov 2022	0908_MW260S_221108	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	08 May 2023	0908_MW260S_230508	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.04*	0.01	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	21 Nov 2023	0908_MW260S_231121	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW260S	18 Apr 2024	0908_MW260S_240418	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	*0.06*	<0.01	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	08 Feb 2017	MW264D_GW_08022017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	31 May 2019	0908_MW264D_190531	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	29 May 2020	0908_MW264D_200529	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	20 May 2021	0908_MW264D_210520	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	02 Jun 2022	0908_MW264D_220602	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	02 Jun 2022	0908_QC221_220602	Interlab_D	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW264D	12 May 2023	0908_MW264D_230512	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	23 Apr 2024	0908_MW264D_240423	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_MW264D_240927	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_QC112_240927	Field_D	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264D	27 Sep 2024	0908_QC212_240927	Interlab_D	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW264S	08 Feb 2017	MW264S_GW_08022017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	24 Jun 2021	0908_MW264S_210624	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	02 Jun 2022	0908_MW264S_220602	Normal	-	NSW_0908_PFASOMP		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	02 Jun 2022	0908_QC121_220602	Field_D	-	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	12 May 2023	0908_MW264S_230512	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	23 Apr 2024	0908_MW264S_240423	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_MW264S_240927	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_QC111_240927	Field_D	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW264S	27 Sep 2024	0908_QC211_240927	Interlab_D	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW270D	03 Mar 2017	MW270D_170303	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	07 Jun 2019	0908_MW270D_190607	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	25 May 2020	0908_MW270D_200525	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	12 May 2021	0908_MW270D_210512	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	17 May 2022	0908_MW270D_220517	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	16 May 2023	0908_MW270D_230516	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	09 Aug 2023	0908_MW270D_230809	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	22 Apr 2024	0908_MW270D_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270D	20 Sep 2024	0908_MW270D_240920	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	03 Mar 2017	MW270S_170303	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW270S	07 Jun 2019	0908_MW270S_190607	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	25 May 2020	0908_MW270S_200525	Normal	Risk Zone C	NSW_0908_PFASOMP		0.01	<0.01	<0.02	<0.01	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	12 May 2021	0908_MW270S_210512	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	0.04	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	17 May 2022	0908_MW270S_220517	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	0.02	0.03	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.10	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	16 May 2023	0908_MW270S_230516	Normal	Risk Zone C	NSW_0908_PFASOMP_23		0.02	*0.03*	0.04	0.07	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	0.12	0.10	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	09 Aug 2023	0908_MW270S_230809	Normal	Risk Zone C	NSW_0908_PFASOMP_23		0.02	<0.01	0.04	0.04	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	0.09	0.08	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	22 Apr 2024	0908_MW270S_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW270S	20 Sep 2024	0908_MW270S_240920	Normal	Risk Zone C	NSW_0908_PFASOMP_24		0.04	*0.03*	0.07	**0.1**	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	0.11	0.11	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	15 Mar 2017	MW271D_GW_150317	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Apr 2018	MW271D_GW_13042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	28 Nov 2018	0908_MW271D_181128	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Jun 2019	0908_MW271D_190613	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	08 Nov 2019	0908_MW271D_191108	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	26 May 2020	0908_MW271D_200526	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	13 Nov 2020	0908_MW271_D_201113	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	12 Nov 2021	0908_MW271D_211112	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	16 May 2022	0908_MW271D_220516	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	14 Nov 2022	0908_MW271D_221114	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	15 May 2023	0908_MW271D_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	27 Nov 2023	0908_MW271D_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.04	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	24 Apr 2024	0908_MW271D_240424	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	*0.03*	0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271D	19 Sep 2024	0908_MW271D_240919	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	15 Mar 2017	MW271S_GW_150317	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Apr 2018	MW271S_GW_13042018	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	28 Nov 2018	0908_MW271S_181128	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Jun 2019	0908_MW271S_190613	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	08 Nov 2019	0908_MW271S_191108	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	26 May 2020	0908_MW271S_200526	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.08	**0.08**	0.23	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	13 Nov 2020	0908_MW271_S_201113	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.03	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	12 Nov 2021	0908_MW271S_211112	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	16 May 2022	0908_MW271S_220516	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.01*	0.02	0.03	0.06	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	14 Nov 2022	0908_MW271S_221114	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.17	0.12	0.03	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	15 May 2023	0908_MW271S_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.02	0.02	0.05	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	27 Nov 2023	0908_MW271S_231127	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.04	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	24 Apr 2024	0908_MW271S_240424	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	0.13	**0.13**	0.44	0.06	0.05	<0.02	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW271S	19 Sep 2024	0908_MW271S_240919	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	0.03	0.03	0.19	0.06	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	03 Mar 2017	MW278D_170303	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	23 May 2019	0908_MW278D_190523	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	07 Nov 2019	0908_MW278D_191107	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	28 May 2020	0908_MW278D_200528	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	27 Nov 2020	0908_MW278_D_201127	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	13 May 2021	0908_MW278D_210513	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2021	0908_MW278D_211109	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_MW278D_221109	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_QC112_221109	Field_D	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	09 Nov 2022	0908_QC212_221109	Interlab_D	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW278D	11 May 2023	0908_MW278D_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	21 Nov 2023	0908_MW278D_231121	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	16 Apr 2024	0908_MW278D_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278D	23 Sep 2024	0908_MW278D_240923	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	03 Mar 2017	MW278S_170303	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	23 May 2019	0908_MW278S_190523	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	07 Nov 2019	0908_MW278S_191107	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	28 May 2020	0908_MW278S_200528	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	27 Nov 2020	0908_MW278_S_201127	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	13 May 2021	0908_MW278S_210513	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	09 Nov 2021	0908_MW278S_211109	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW278S	09 Nov 2022	0908_MW278S_221109	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	11 May 2023	0908_MW278S_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	21 Nov 2023	0908_MW278S_231121	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	16 Apr 2024	0908_MW278S_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW278S	23 Sep 2024	0908_MW278S_240923	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOA	Normal	Risk Zone B	NSW_0908_PFAS		0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.03 PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOA	Normal	Risk Zone B	NSW_0908_PFAS		0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.1 PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOA	Normal	Risk Zone B	NSW_0908_PFAS		0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.10.3 PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	*0.12*	-	**0.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOA	Normal	Risk Zone B	NSW_0908_PFAS		0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.11 PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	*0.46*	-	**0.46**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOA	Normal	Risk Zone B	NSW_0908_PFAS		**5.81**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.110 PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	*5.3*	-	**5.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOA	Normal	Risk Zone B	NSW_0908_PFAS		***113***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.1100 UG/L PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	*70.3*	-	**70.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOA	Normal	Risk Zone B	NSW_0908_PFAS		**1.72**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.13 PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	*1.57*	-	**1.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOA	Normal	Risk Zone B	NSW_0908_PFAS		***36.9***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	20 Feb 2017	MW279D_LT_2.7-5.130 PFOS	Normal	Risk Zone B	NSW_0908_PFAS		-	*18*	-	**18**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW279S	06 Mar 2017	MW279S_GW_060317	Normal	Risk Zone B	NSW_0908_PFAS		0.01	*0.05*	1.17	**1.22**	1.71	0.06	0.11	<0.02	<0.02	<0.1	0.02	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	13 Apr 2018	MW279S_GW_13042018	Normal	Risk Zone B	NSW_0908_PFAS		0.04	*0.24*	1.43	**1.67**	2.46	0.04	0.12	<0.02	<0.02	<0.1	0.04	0.55	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	26 Nov 2018	0908_MW279S_181126	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*0.11*	1.56	**1.67**	2.16	0.06	0.09	<0.02	<0.02	<0.1	<0.02	0.3	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	27 May 2019	0908_MW279S_190527	Normal	Risk Zone B	NSW_0908_PFAS		0.02	*0.2*	1.25	**1.45**	1.95	0.05	0.1	<0.02	<0.02	<0.1	0.03	0.3	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	08 Nov 2019	0908_MW279S_191108	Normal	Risk Zone B	NSW_0908_PFASOMP		0.04	*0.18*	2.16	**2.34**	3.26	0.08	0.15	<0.02	<0.02	<0.1	0.06	0.56	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	18 May 2020	0908_MW279S_200518	Normal	Risk Zone B	NSW_0908_PFASOMP		0.04	*0.45*	2.63	**3.08**	3.84	0.08	0.18	0.04	<0.02	<0.1	<0.02	0.39	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	25 Nov 2020	0908_MW279_S_201125	Normal	Risk Zone B	NSW_0908_PFASOMP		0.02	*0.35*	1.2	**1.55**	2.00	0.05	0.08	0.02	<0.02	<0.1	<0.02	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	20 May 2021	0908_MW279S_210520	Normal	Risk Zone B	NSW_0908_PFASOMP		0.03	*0.72*	1.95	**2.67**	3.60	0.12	0.15	0.04	<0.02	<0.1	0.05	0.52	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	11 Nov 2021	0908_MW279S_211111	Normal	Risk Zone B	NSW_0908_PFASOMP		0.01	*0.46*	0.93	**1.39**	1.72	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	19 May 2022	0908_MW279S_220519	Normal	Risk Zone B	NSW_0908_PFASOMP		0.01	*0.32*	0.88	**1.2**	1.55	0.04	0.06	<0.02	<0.02	<0.1	0.02	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	07 Nov 2022	0908_MW279S_221107	Normal	Risk Zone B	NSW_0908_PFASOMP		0.01	*0.18*	0.53	**0.71**	0.93	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	09 May 2023	0908_MW279S_230509	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.03	*0.38*	1.98	**2.36**	3.20	0.12	0.16	0.03	<0.02	<0.1	0.06	0.42	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	21 Nov 2023	0908_MW279S_231121	Normal	Risk Zone B	NSW_0908_PFASOMP_23		0.03	*0.32*	2.28	**2.6**	3.63	0.16	0.18	0.03	<0.02	<0.1	0.03	0.58	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	16 Apr 2024	0908_MW279S_240416	Normal	Risk Zone B	NSW_0908_PFASOMP_24		0.04	*0.8*	3.5	**4.3**	5.78	0.17	0.28	0.07	<0.02	<0.1	0.10	0.70	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW279S	25 Sep 2024	0908_MW279S_240925	Normal	Risk Zone B	NSW_0908_PFASOMP_24		0.03	*0.30*	1.11	**1.41**	1.90	0.07	0.09	<0.02	<0.02	<0.1	0.03	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOA	Normal	Risk Zone C	NSW_0908_PFAS		0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.03 PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOA	Normal	Risk Zone C	NSW_0908_PFAS		0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids												PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																											
PFAS NEMP 2020 Recreational Water							**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																													
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																																
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.1 PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOA	Normal	Risk Zone C	NSW_0908_PFAS		0.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.00.3 PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	*0.13*	-	**0.13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOA	Normal	Risk Zone C	NSW_0908_PFAS		**0.94**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.01 PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	*0.52*	-	**0.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOA	Normal	Risk Zone C	NSW_0908_PFAS		**8.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.010 PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	*4.62*	-	**4.62**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOA	Normal	Risk Zone C	NSW_0908_PFAS		***92.7***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.0100 UG/L PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	*39.9*	-	**39.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOA	Normal	Risk Zone C	NSW_0908_PFAS		**2.68**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.03 PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	*1.24*	-	**1.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOA	Normal	Risk Zone C	NSW_0908_PFAS		***31.1***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	03 Mar 2017	MW280_LT_3.0-4.030 PFOS	Normal	Risk Zone C	NSW_0908_PFAS		-	*13*	-	**13**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW280S	08 Mar 2017	MW280S_GW_080317	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	07 Aug 2018	0908_MW280_180807	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	07 Sep 2018	0908_MW28D_180907	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	05 Oct 2018	0908_MW280S_181005	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Jan 2019	0908_MW280S_190123	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	29 Mar 2019	0908_MW280S_190329	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	19 Jun 2019	0908_MW280_190618	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.004	0.004	0.2	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.196	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	25 Sep 2019	0908_MW280S_190925	Normal	Risk Zone C	NSW_0908_PFASMGMT		0.0009	*0.0012*	0.0036	0.0048	0.0069	0.0005	<0.0005	<0.0005	<0.0005	<0.002	<0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_MW280S_191202	Normal	Risk Zone C	NSW_0908_PFAS		0.0008	*0.0017*	0.0035	0.0052	0.0076	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_QC103_191202	Field_D	Risk Zone C	NSW_0908_PFAS		0.0009	*0.002*	0.0036	0.0056	0.0086	0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0005	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	02 Dec 2019	0908_QC203_191202	Interlab_D	Risk Zone C	NSW_0908_PFAS		<0.001	*0.0024*	0.0035	0.0059	-	<0.001	<0.001	<0.001	<0.001	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
MW280S	17 Apr 2020	0908_MW280S_200417	Normal	Risk Zone C	NSW_0908_PFASMGMT		0.0009	<0.0003	0.0035	0.0035	0.0463	0.0061	<0.0005	<0.0005	<0.0005	<0.002	<0.0016	0.0018	<0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.034	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	23 Jun 2020	0908_MW280S_200623	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.004	0.004	0.004	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	01 Oct 2020	0908_MW280S_201001	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.003	0.003	0.015	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.012	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	11 Jan 2021	0908_MW280_S_210111	Normal	Risk Zone C	NSW_0908_PFASMGMT		0.0022	*0.0372*	0.0103	0.0475	0.0631	0.0020	0.0011	<0.0005	<0.0005	<0.002	<0.0005	0.0033	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.007	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	22 Jan 2021	0908_MW280S_210122	Normal	Risk Zone C	NSW_0908_PFASMGMT		0.0007	*0.0012*	0.0039	0.0051	0.0131	0.0008	<0.0005	<0.0005	<0.0005	0.003	0.0021	0.0014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	24 Jun 2021	0908_MW280S_210624	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	20 Sep 2021	0908_MW280S_210920	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.004	0.004	0.014	<0.002	<0.002	<0.002	<0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	13 Jan 2022	0908_MW280S_220113	Normal	Risk Zone C	NSW_0908_PFASMGMT		0.0012	<0.0003	0.0051	0.0051	0.0166	0.0012	0.0006	<0.0005	<0.0005	0.006	<0.0005	0.0017	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW280S	16 Mar 2022	0908_MW280S_220316	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.004	0.004	0.004	<0.002	<0.002	<0.002	<0.002	<0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	20 May 2022	0908_MW280S_220520	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	30 Jun 2022	0908_MW280S_220630	Normal	Risk Zone C	NSW_0908_PFASMGMT		0.002	*0.002*	0.009	0.011	0.044	<0.002	<0.002	<0.002	<0.002	0.02	0.007	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	16 Sep 2022	0908_MW280S_220916	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.006	0.006	0.030	<0.002	<0.002	<0.002	<0.002	0.02	<0.002	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW280S	11 Nov 2022	0908_MW280S_221111	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	18 May 2023	0908_MW280S_230518	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Nov 2023	0908_MW280S_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Apr 2024	0908_MW280S_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW280S	23 Sep 2024	0908_MW280S_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	20 Mar 2017	MW281S_GW_200317	Normal	-	NSW_0908_PFAS		**4.47**	*180*	64	**244**	285	4.62	4.95	7.78	<0.02	1	2.27	14	1.52	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	-	NSW_0908_PFAS		**8.75**	*206*	76.9	**283**	318	1.9	3.16	7.35	<0.1	<0.5	1.27	10.3	1.99	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
MW281S	19 Apr 2018	MW281S_GW_19042018	Normal	-	NSW_0908_PFAS		-	-	-	**282.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	22 Nov 2018	0908_MW281S_181122	Normal	-	NSW_0908_PFAS		**8.01**	*191*	41	**232**	264	1.57	2.23	9.9	<0.02	0.5	0.92	7.45	1.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	-	NSW_0908_PFAS		**7.32**	*186*	37.5	**224**	252	1.45	2.03	8.41	<0.02	0.4	0.83	7.14	1.13	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	22 Nov 2018	0908_QC104_181122	Field_D	-	NSW_0908_PFAS		-	-	-	**223.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	31 May 2019	0908_MW281S_190531	Normal	-	NSW_0908_PFAS		**4.94**	*144*	25.4	**169**	191	1.1	1.46	7.46	<0.02	0.3	0.73	4.43	0.77	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	31 May 2019	0908_MW281S_190531	Normal	-	NSW_0908_PFAS		-	-	-	**169.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW281S	23 Oct 2019	0908_MW281S_191023	Normal	-	NSW_0908_PFASMGMT		**4.44**	*112*	18.8	**131**	150	1.00	1.69	7.50	<0.02	0.3	0.62	3.63	0.60	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	06 Nov 2019	0908_MW281S_191107	Normal	-	NSW_0908_PFASOMP		**4.64**	*112*	19.4	**131**	152	1.12	1.80	7.66	<0.02	0.3	0.65	3.98	0.58	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	15 May 2020	0908_MW281S_200515	Normal	-	NSW_0908_PFASOMP		**3.84**	*119*	19.8	**139**	158	1.12	1.99	6.64	<0.02	0.2	0.62	4.13	0.55	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW281S	16 Nov 2020	0908_MW281_S_201116	Normal	-	NSW_0908_PFASOMP		**3.56**	*26.7*	24.3	**51**	69.9	1.09	2.79	6.10	<0.02	0.3	0.55	3.83	0.64	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	25 May 2021	0908_MW281S_210525	Normal	-	NSW_0908_PFASOMP		**2.19**	*63.3*	26.2	**89.5**	109	2.23	2.84	4.69	<0.02	0.2	0.78	5.45	0.76	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2021	0908_MW281S_211110	Normal	-	NSW_0908_PFASOMP		**3.10**	*234*	21.4	**255**	277	1.63	1.90	8.86	<0.02	0.2	0.53	4.89	0.63	0.04	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	26 May 2022	0908_MW281S_220526	Normal	-	NSW_0908_PFASOMP		**2.16**	*68.6*	19.4	**88**	103	1.87	2.32	3.12	<0.02	0.4	0.67	4.06	0.61	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_MW281S_221110	Normal	-	NSW_0908_PFASOMP		**2.97**	*41.4*	11.5	**52.9**	60.5	0.29	0.44	2.55	<0.02	<0.1	0.14	0.94	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_QC103_221110	Field_D	-	NSW_0908_PFASOMP		**3.79**	*50*	12.9	**62.9**	73.7	0.34	0.47	4.61	<0.02	0.1	0.18	1.06	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 Nov 2022	0908_QC203_221110	Interlab_D	-	NSW_0908_PFASOMP		**2.8**	*31*	9.6	**41**	48	0.31	0.34	2.4	<0.02	0.06	0.2	0.90	0.28	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW281S	10 May 2023	0908_MW281S_230510	Normal	-	NSW_0908_PFASOMP_23		**1.67**	*108*	21.8	**130**	143	1.15	1.78	3.70	<0.02	0.3	0.58	3.41	0.72	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	10 May 2023	0908_QC217_230510	Interlab_D	-	NSW_0908_PFASOMP_23		**1.6**	*73*	20	**93**	110	1.1	2.2	2.9	<0.02	0.33	0.61	3.5	0.68	0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW281S	22 Nov 2023	0908_MW281S_231122	Normal	-	NSW_0908_PFASOMP_23		**2.62**	*99.8*	12.8	**113**	123	0.48	0.57	3.97	<0.02	0.3	0.36	1.89	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	17 Apr 2024	0908_MW281S_240417	Normal	-	NSW_0908_PFASOMP_24		**0.71**	*22*	4.82	**26.8**	30.5	0.27	0.39	1.15	<0.02	0.1	0.14	0.65	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW281S	25 Sep 2024	0908_MW281S_240925	Normal	-	NSW_0908_PFASOMP_24		**1.43**	*109*	4.07	**113**	119	0.29	0.29	2.32	<0.02	0.1	0.22	0.92	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	-	NSW_0908_PFAS		**1.23**	*1.48*	12.8	**14.28**	20.1	0.77	0.83	1.26	<0.02	<0.1	0.23	1.21	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	20 Mar 2017	MW282S_GW_200317	Normal	-	NSW_0908_PFAS		-	-	-	**14.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW282S	20 Jun 2019	0908_MW282_190620	Normal	-	NSW_0908_PFASMGMT		**2.15**	*9.94*	23.1	**33**	45.2	0.87	1.21	2.97	<0.02	0.3	0.58	3.44	0.62	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	23 Oct 2019	0908_MW282S_191023	Normal	-	NSW_0908_PFASMGMT		**3.41**	*54.7*	16	**70.7**	86.6	0.86	1.43	5.15	<0.02	0.3	0.58	3.53	0.63	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	06 Nov 2019	0908_MW282S_191107	Normal	-	NSW_0908_PFASOMP		**1.95**	*1.09*	19.7	**20.8**	33.1	1.08	1.80	1.73	<0.02	0.3	0.64	4.13	0.68	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	15 May 2020	0908_MW282S_200515	Normal	-	NSW_0908_PFASOMP		**3.29**	*35.8*	13.3	**49.1**	64.8	1.13	1.33	5.01	<0.02	0.2	0.66	3.62	0.47	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	15 May 2020	0908_QC108_200515	Field_D	-	NSW_0908_PFASOMP		**3.39**	*39.7*	14.2	**53.9**	70.2	1.13	1.47	5.37	<0.02	0.3	0.67	3.51	0.48	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_MW282_S_201116	Normal	-	NSW_0908_PFASOMP		0.03	*0.15*	0.73	**0.88**	1.50	0.17	0.17	0.04	<0.02	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_QC100_201116	Field_D	-	NSW_0908_PFASOMP		0.05	*0.16*	0.81	**0.97**	1.70	0.18	0.18	0.05	<0.02	<0.1	0.04	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	16 Nov 2020	0908_QC200_201116	Interlab_D	-	NSW_0908_PFASOMP		0.039	*0.14*	0.86	**1**	-	0.17	0.16	0.027	<0.01	<0.05	0.035	0.18	0.015	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW282S	25 May 2021	0908_MW282S_210525	Normal	-	NSW_0908_PFASOMP		0.06	*0.95*	0.93	**1.88**	2.65	0.14	0.13	0.09	<0.02	<0.1	0.12	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 Nov 2021	0908_MW282S_211110	Normal	-	NSW_0908_PFASOMP		0.28	*1.48*	9.48	**11**	16.0	0.80	0.70	0.34	<0.02	0.1	0.32	2.25	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	26 May 2022	0908_MW282S_220526	Normal	-	NSW_0908_PFASOMP		<0.01	*0.03*	0.27	**0.3**	0.41	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	26 May 2022	0908_QC115_220526	Field_D	-	NSW_0908_PFASOMP		<0.01	*0.04*	0.37	**0.41**	0.56	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 Nov 2022	0908_MW282S_221110	Normal	-	NSW_0908_PFASOMP		<0.01	*0.03*	0.08	**0.11**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 May 2023	0908_MW282S_230510	Normal	-	NSW_0908_PFASOMP_23		0.07	*0.14*	3.33	**3.47**	4.49	0.09	0.15	0.08	<0.02	<0.1	0.09	0.45	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	10 May 2023	0908_QC117_230510	Field_D	-	NSW_0908_PFASOMP_23		0.07	*0.12*	3.27	**3.39**	4.49	0.14	0.15	<0.02	<0.02	<0.1	0.12	0.52	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	22 Nov 2023	0908_MW282S_231122	Normal	-	NSW_0908_PFASOMP_23		0.15	*0.9*	1.34	**2.24**	3.44	0.13	0.10	0.22	<0.02	<0.1	0.09	0.46	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	17 Apr 2024	0908_MW282S_240417	Normal	-	NSW_0908_PFASOMP_24		0.31	*0.43*	2.69	**3.12**	4.71	0.11	0.17	0.35	<0.02	<0.1	0.10	0.43	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW282S	25 Sep 2024	0908_MW282S_240925	Normal	-	NSW_0908_PFASOMP_24		0.10	*0.51*	2.19	**2.7**	3.67	0.11	0.13	0.10	<0.02	<0.1	0.06	0.37	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	02 Jul 2018	0908_W304_180702	Normal	-	NSW_0908_Stage2		0.10	*7.03*	1.87	**8.9**	9.77	0.08	0.11	0.18	<0.02	<0.1	0.08	0.30	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	17 Oct 2019	0908_MW304_191017	Normal	-	NSW_0908_PFASMGMT		0.18	*22.7*	4.22	**26.9**	29.7	0.22	0.31	0.21	<0.02	0.2	0.41	1.12	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	27 May 2021	0908_MW304_210527	Normal	-	NSW_0908_PFASMGMT		0.08	*14.2*	0.82	**15**	15.4	<0.02	0.03	0.15	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW304	23 Apr 2024	0908_MW304_240423	Normal	-	NSW_0908_PFASOMP_24		0.33	*42.3*	2.1	**44.4**	46.2	0.10	0.19	0.34	<0.02	<0.1	0.16	0.46	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	26 Sep 2019	0908_MW315D_190926	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	<0.0003	0.0219	0.0219	0.0702	0.0180	0.0074	<0.0005	<0.0005	<0.002	0.0032	0.0197	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	19 Nov 2019	0908_MW315D_191119	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	03 Dec 2019	0908_MW315D_191203	Normal	Risk Zone C	NSW_0908_PFAS		<0.0005	*0.0016*	0.018	0.0196	0.0693	0.0194	0.0081	<0.0005	<0.0005	<0.0020	0.0054	0.0168	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	12 Mar 2020	0908_MW315D_200317	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0053*	0.0127	0.018	0.0749	0.0273	0.0073	<0.0005	<0.0005	<0.002	0.0032	0.0191	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	20 May 2020	0908_MW315D_200520	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.04	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	08 Jul 2020	0908_MW315D_200708	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0045*	0.023	0.0275	0.117	0.0086	0.0154	<0.0005	<0.0005	<0.002	0.0066	0.0348	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.023	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	29 Sep 2020	0908_MW315D_200929	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	*0.003*	0.028	0.031	0.141	0.033	0.017	<0.002	<0.002	<0.01	0.006	0.041	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.013	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	26 Nov 2020	0908_MW315_D_201126	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	11 Jan 2021	0908_MW315_D_210111	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0029*	0.0346	0.0375	0.186	0.0400	0.0202	<0.0005	<0.0005	0.004	0.0048	0.0474	0.0010	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.031	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	25 Mar 2021	0908_MW315_D_210325	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0023*	0.0436	0.0459	0.306	0.138	0.0242	<0.0005	<0.0005	<0.002	0.0087	0.0563	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.031	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	20 Sep 2021	0908_MW315D_210921	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	*0.0024*	0.043	0.0454	0.230	0.0486	0.0214	<0.0005	<0.0005	<0.0020	0.0157	0.0620	0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.036	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	14 Jan 2022	0908_MW315D_220114	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.0005	<0.0003	0.0866	**0.0866**	0.262	0.0511	0.0309	<0.0005	<0.0005	<0.002	0.0059	0.0842	0.0029	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315D	18 Mar 2022	0908_MW315D_220318	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.054	0.054	0.240	0.050	0.029	<0.002	<0.002	<0.01	0.017	0.073	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.015	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	26 May 2022	0908_MW315D_220526	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.1	**0.1**	0.25	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	26 May 2022	0908_QC116_220526	Field_D	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.16	**0.16**	0.39	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	30 Jun 2022	0908_MW315D_220630	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	*0.011*	0.082	**0.093**	0.269	0.042	0.035	<0.002	<0.002	<0.01	0.017	0.071	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.007	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	30 Jun 2022	0908_QC103_220630	Field_D	Risk Zone C	NSW_0908_PFASMGMT		<0.002	*0.012*	0.082	**0.094**	0.270	0.041	0.035	<0.002	<0.002	<0.01	0.018	0.069	0.004	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	0.009	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	16 Sep 2022	0908_MW315D_220916	Normal	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.174	**0.174**	0.394	0.046	0.058	<0.002	<0.002	<0.01	0.018	0.093	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	16 Sep 2022	0908_QC102_220916	Field_D	Risk Zone C	NSW_0908_PFASMGMT		<0.002	<0.002	0.183	**0.183**	0.417	0.049	0.059	<0.002	<0.002	<0.01	0.019	0.102	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315D	11 Nov 2022	0908_MW315D_221111	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	0.12	**0.12**	0.28	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_MW315D_230518	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.16	**0.16**	0.30	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	18 May 2023	0908_QC120_230518	Field_D	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	0.2	**0.2**	0.37	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW315D	18 May 2023	0908_QC220_230518	Interlab_D	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	0.19	**0.19**	0.32	<0.01	0.05	<0.01	<0.02	<0.02	<0.02	0.08	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW315D	23 Nov 2023	0908_MW315D_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	0.16	**0.16**	0.38	0.10	0.04	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	23 Apr 2024	0908_MW315D_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	0.14	**0.14**	0.29	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315D	23 Sep 2024	0908_MW315D_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	0.20	**0.2**	0.34	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	26 Sep 2019	0908_MW315S_190926	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	<0.0003	0.0251	0.0251	0.0318	0.0019	0.0018	<0.0005	<0.0005	<0.002	<0.0005	0.0030	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	19 Nov 2019	0908_MW315S_191119	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	19 Nov 2019	0908_QC108_191119	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	19 Nov 2019	0908_QC208_191119	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.02	0.017	0.017	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW315S	03 Dec 2019	0908_MW315S_191203	Normal	Risk Zone C	NSW_0908_PFAS	<0.0005	*0.0077*	0.0214	0.0291	0.0357	0.0026	0.0016	<0.0005	<0.0005	<0.0020	<0.0005	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	12 Mar 2020	0908_MW315S_200317	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	*0.0076*	0.0097	0.0173	0.0212	0.0022	0.0008	<0.0005	<0.0005	<0.002	<0.0005	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	20 May 2020	0908_MW315S_200520	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	08 Jul 2020	0908_MW315S_200708	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	<0.0003	0.0257	0.0257	0.0440	0.0048	0.0050	<0.0005	<0.0005	<0.002	0.0029	0.0056	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	29 Sep 2020	0908_MW315S_200929	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.002	<0.002	0.018	0.018	0.064	-	0.002	0.003	<0.002	<0.002	<0.01	<0.002	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	26 Nov 2020	0908_MW315_S_201126	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.04	0.04	0.17	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	11 Jan 2021	0908_MW315_S_210111	Normal	Risk Zone C	NSW_0908_PFASMGMT	<0.0005	*0.0076*	0.0254	0.033	0.0428	0.0027	0.0022	<0.0005	<0.0005	<0.002	<0.0005	0.0029	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.002	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_MW315_S_210325	Normal	Risk Zone C	NSW_0908_PFASMGMT	0.0006	*0.0008*	0.0681	0.0689	0.103	0.0065	0.0068	<0.0005	<0.0005	<0.002	0.0041	0.0100	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.006	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_QC100_210325	Field_D	Risk Zone C	NSW_0908_PFASMGMT	0.0006	*0.0012*	0.0762	**0.0774**	0.118	0.0070	0.0074	<0.0005	<0.0005	<0.002	0.0034	0.0097	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	0.013	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	25 Mar 2021	0908_QC200_210325	Interlab_D	Risk Zone C	NSW_0908_PFASMGMT	<0.001	<0.002	0.064	0.064	-	0.0064	0.0062	<0.001	<0.001	<0.005	0.0023	0.0069	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	0.015	<0.001	<0.001	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005	<0.002
MW315S	20 Sep 2021	0908_MW315S_210921	Normal	Risk Zone C	NSW_0908_PFASMGMT	0.0019	*0.0008*	0.0201	0.0209	0.0332	0.0020	0.0016	<0.0005	<0.0005	<0.0020	<0.0005	0.0062	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.001	<0.0005	<0.001	<0.0005	<0.001	<0.001	<0.0005	<0.001
MW315S	14 Jan 2022	0908_MW315S_220114	Normal	Risk Zone C	NSW_0908_PFASMGMT	0.0019	<0.0016	0.0248	0.0248	0.0354	0.0024	0.0018	<0.0016	<0.0016	<0.008	<0.0016	0.0045	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0040	<0.002	<0.002	<0.002	<0.002	<0.0016	<0.004	<0.0016	<0.004	<0.004	<0.0016	<0.004
MW315S	18 Mar 2022	0908_MW315S_220318	Normal	Risk Zone C	NSW_0908_PFASMGMT	0.004	*0.002*	0.026	0.028	0.047	<0.002	<0.002	<0.002	<0.002	0.01	<0.002	0.005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	26 May 2022	0908_MW315S_220526	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	30 Jun 2022	0908_MW315S_220630	Normal	Risk Zone C	NSW_0908_PFASMGMT	0.005	*0.003*	0.024	0.027	0.073	0.002	0.002	<0.002	<0.002	0.03	<0.002	0.007	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	16 Sep 2022	0908_MW315S_220916	Normal	Risk Zone C	NSW_0908_PFASMGMT	0.003	*0.003*	0.025	0.028	0.111	0.002	0.003	<0.002	<0.002	0.06	<0.002	0.015	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.005	<0.002	<0.005	<0.005	<0.002	<0.005
MW315S	16 Sep 2022	0908_QC203_220916	Interlab_D	Risk Zone C	NSW_0908_PFASMGMT	0.004	*0.002*	0.019	0.021	0.084	0.003	0.003	<0.001	<0.002	0.037	0.004	0.01	0.002	<0.001	<0.002	<0.002	<0.005	<0.01	<0.05	<0.001	<0.001	<0.002	<0.002	<0.01	<0.05	<0.002	<0.05	<0.1	<0.002	<0.5
MW315S	11 Nov 2022	0908_MW315S_221111	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	18 May 2023	0908_MW315S_230518	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Nov 2023	0908_MW315S_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Apr 2024	0908_MW315S_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW315S	23 Sep 2024	0908_MW315S_240923	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	01 Nov 2019	0908_MW316D_191101	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW316D	18 May 2020	0908_MW316D_200518	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	25 Nov 2020	0908_MW316_D_201125	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	20 May 2021	0908_MW316D_210520	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	11 Nov 2021	0908_MW316D_211111	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	20 May 2022	0908_MW316D_220520	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	07 Nov 2022	0908_MW316D_221107	Normal	Risk Zone D	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	09 May 2023	0908_MW316D_230509	Normal	Risk Zone D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	21 Nov 2023	0908_MW316D_231121	Normal	Risk Zone D	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW316D	16 Apr 2024	0908_MW316D_240416	Normal	Risk Zone D	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	26 Jun 2020	0908_MW317D_200626	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	24 May 2021	0908_MW317D_210524	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	30 May 2022	0908_MW317D_220530	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	12 May 2023	0908_MW317D_230512	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317D	17 Apr 2024	0908_MW317D_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	26 Jun 2020	0908_MW317S_200626	Normal	-	NSW_0908_PFASOMP	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	24 May 2021	0908_MW317S_210524	Normal	-	NSW_0908_PFASOMP	<0.01	*0.04*	0.1	**0.14**	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	18 Nov 2021	0908_MW317S_211118	Normal	-	NSW_0908_PFASOMP	<0.01	*0.07*	0.02	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	18 Nov 2021	0908_QC102_211118	Field_D	-	NSW_0908_PFASOMP	<0.01	*0.08*	0.02	**0.1**	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	30 May 2022	0908_MW317S_220530	Normal	-	NSW_0908_PFASOMP	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	12 May 2023	0908_MW317S_230512	Normal	-	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW317S	17 Apr 2024	0908_MW317S_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	19 Nov 2019	0908_MW318D_191119	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.22	**0.22**	0.37	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	21 May 2020	0908_MW318D_200521	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.37	**0.37**	0.37	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	25 Nov 2020	0908_MW318_D_201125	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.08	**0.08**	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	20 May 2021	0908_MW318D_210520	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.21	**0.21**	0.39	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	15 Nov 2021	0908_MW318D_211115	Normal	Risk Zone C	NSW_0908_PFASOMP	0.02	*0.03*	0.52	**0.55**	1.31	0.22	0.15	<0.02	<0.02	<0.1	0.05	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	31 May 2022	0908_MW318D_220531	Normal	Risk Zone C	NSW_0908_PFASOMP	0.02	*0.04*	0.6	**0.64**	1.38	0.19	0.20	<0.02	<0.02	<0.1	0.05	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW318D	31 May 2022	0908_QC219_220531	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	0.02	*0.04*	0.55	**0.59**	1.3	0.18	0.14	0.02	<0.02	0.03	0.05	0.26	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW318D	08 Nov 2022	0908_MW318D_221108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	0.17	**0.17**	0.48	0.09	0.09	<0.02	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	11 May 2023	0908_MW318D_230511	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.28	**0.32**	0.63	0.09	0.08	<0.02	<0.02	<0.1	0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	23 Nov 2023	0908_MW318D_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23	0.01	*0.04*	0.41	**0.45**	0.86	0.10	0.08	<0.02	<0.02	<0.1	0.03	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318D	22 Apr 2024	0908_MW318D_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24	0.03	*0.1*	0.73	**0.83**	1.31	0.07	0.11	0.03	<0.02	<0.1	0.03	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_MW318S_191119	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_QC109_191119	Field_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	19 Nov 2019	0908_QC209_191119	Interlab_D	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.02	<0.01	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW318S	21 May 2020	0908_MW318S_200521	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	25 Nov 2020	0908_MW318_S_201125	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	20 May 2021	0908_MW318S_210520	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	15 Nov 2021	0908_MW318S_211115	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	31 May 2022	0908_MW318S_220531	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	08 Nov 2022	0908_MW318S_221108	Normal	Risk Zone C	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	11 May 2023	0908_MW318S_230511	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	23 Nov 2023	0908_MW318S_231123	Normal	Risk Zone C	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW318S	22 Apr 2024	0908_MW318S_240422	Normal	Risk Zone C	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	23 Oct 2019	0908_MW329_191023	Normal	-	NSW_0908_PFASMGMT	**12.9**	*321*	41.8	**363**	402	1.13	2.97	14.0	<0.02	0.4	0.84	6.06	1.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	09 Nov 2020	0908_MW329_201109	Normal	-	NSW_0908_PFASMGMT	**2.48**	*178*	15.9	**194**	210	0.82	1.75	5.42	<0.02	0.3	0.61	3.95	0.53	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	18 Apr 2024	0908_MW329_240418	Normal	-	NSW_0908_PFASOMP_24	**2.32**	*165*	12.7	**178**	188	0.47	0.99	3.72	<0.02	0.2	0.30	1.97	0.33	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW329	25 Sep 2024	0908_MW329_240925	Normal	-	NSW_0908_PFASOMP_24	**0.67**	*43.5*	3.84	**47.3**	51.1	0.19	0.24	1.92	<0.02	<0.1	0.10	0.52	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	09 Nov 2020	0908_MW340D_201109	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.2*	0.02	**0.22**	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	09 Nov 2020	0908_QC104_201109	Field_D	-	NSW_0908_PFASMGMT	<0.01	*0.24*	0.03	**0.27**	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	18 Apr 2024	0908_MW340D_240418	Normal	-	NSW_0908_PFASOMP_24	0.04	*0.25*	0.44	**0.69**	1.12	0.09	0.09	<0.02	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_MW340D_240925	Normal	-	NSW_0908_PFASOMP_24	0.04	*0.10*	0.46	**0.56**	0.97	0.09	0.08	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_QC110_240925	Field_D	-	NSW_0908_PFASOMP_24	0.04	*0.11*	0.43	**0.54**	0.96	0.09	0.09	<0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340D	25 Sep 2024	0908_QC210_240925	Interlab_D	-	NSW_0908_PFASOMP_24	0.04	*0.1*	0.48	**0.57**	0.96	0.10	0.09	<0.01	<0.02	<0.02	0.02	0.12	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW340S	29 Oct 2020	0908_MW340S_201029	Normal	-	NSW_0908_PFASMGMT	0.01	*0.06*	1.08	**1.14**	1.80	0.19	0.11	<0.02	<0.02	<0.1	0.07	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	04 Oct 2023	0908_MW340S_231004	Normal	-	NSW_0908_PFASMGMT_23	0.01	<0.01	1.33	**1.33**	1.58	0.04	0.07	<0.02	<0.02	<0.1	<0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	16 Nov 2023	0908_MW340S_231116	Normal	-	NSW_0908_PFASMGMT_23	0.02	<0.01	1.18	**1.18**	1.38	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_MW340S_240418	Normal	-	NSW_0908_PFASOMP_24	0.01	*0.02*	0.92	**0.94**	1.12	0.04	0.06	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC109_240418	Field_D	-	NSW_0908_PFASOMP_24	<0.01	*0.02*	0.86	**0.88**	1.03	0.03	0.06	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW340S	18 Apr 2024	0908_QC209_240418	Interlab_D	-	NSW_0908_PFASOMP_24	<0.01	*0.01*	0.85	**0.86**	1.0	0.03	0.04	<0.01	<0.02	<0.02	<0.02	0.08	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW340S	25 Sep 2024	0908_MW340S_240925	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.02*	0.36	**0.38**	0.74	0.05	0.12	<0.02	<0.02	<0.1	0.03	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	09 Nov 2020	0908_MW342D_201109	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.21*	0.12	**0.33**	0.38	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_MW342D_240418	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.14*	0.16	**0.3**	0.38	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC107_240418	Field_D	-	NSW_0908_PFASOMP_24	<0.01	*0.19*	0.16	**0.35**	0.47	0.02	0.03	<0.02	0.04	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW342D	18 Apr 2024	0908_QC207_240418	Interlab_D	-	NSW_0908_PFASOMP_24	<0.01	*0.14*	0.18	**0.31**	0.39	0.02	0.02	<0.01	<0.02	<0.02	<0.02	0.03	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW342D	25 Sep 2024	0908_MW342D_240925	Normal	-	NSW_0908_PFASOMP_24	<0.01	*0.17*	0.20	**0.37**	0.46	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	09 Nov 2020	0908_MW344D_201109	Normal	Risk Zone B	NSW_0908_PFASMGMT	<0.01	*0.2*	0.11	**0.31**	0.33	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	18 Apr 2024	0908_MW344D_240418	Normal	Risk Zone B	NSW_0908_PFASOMP_24	0.02	*0.25*	0.34	**0.59**	0.71	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344D	25 Sep 2024	0908_MW344D_240925	Normal	Risk Zone B	NSW_0908_PFASOMP_24	0.03	*0.08*	0.65	**0.73**	0.91	0.05	0.04	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	29 Oct 2020	0908_MW344S_201029	Normal	Risk Zone B	NSW_0908_PFASMGMT	0.04	*0.52*	0.52	**1.04**	1.16	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	10 Oct 2023	0908_MW344S_231010	Normal	Risk Zone B	NSW_0908_PFASMGMT_23	0.02	*0.7*	0.3	**1**	1.20	0.03	0.03	<0.02	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	07 Nov 2023	0908_MW344S_231107	Normal	Risk Zone B	NSW_0908_PFASMGMT_23	0.02	*0.43*	0.19	**0.62**	0.76	0.02	0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	18 Apr 2024	0908_MW344S_240418	Normal	Risk Zone B	NSW_0908_PFASOMP_24	0.03	*0.51*	0.13	**0.64**	0.84	<0.02	<0.02	<0.02	<0.02	<0.1	0.05	0.05	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_MW344S_240925	Normal	Risk Zone B	NSW_0908_PFASOMP_24	0.01	*0.62*	0.16	**0.78**	0.99	0.05	0.03	<0.02	<0.02	<0.1	0.04	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_QC109_240925	Field_D	Risk Zone B	NSW_0908_PFASOMP_24	0.01	*0.54*	0.13	**0.67**	0.87	0.04	0.04	<0.02	<0.02	<0.1	0.04	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW344S	25 Sep 2024	0908_QC209_240925	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_24	0.01	*0.53*	0.15	**0.68**	0.89	0.04	0.04	0.01	<0.02	<0.02	0.03	0.06	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW354S	09 Nov 2020	0908_MW354_201109	Normal	-	NSW_0908_PFASMGMT	**4.07**	*88.9*	31.4	**120**	153	2.04	4.47	9.84	<0.02	0.7	1.33	8.66	1.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	05 Oct 2023	0908_MW354S_231005	Normal	-	NSW_0908_PFASMGMT_23	**3.21**	*26.8*	13.8	**40.6**	51.0	0.51	0.77	2.76	<0.02	0.2	0.32	2.26	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	14 Nov 2023	0908_MW354S_231114	Normal	-	NSW_0908_PFASMGMT_23	**5.77**	*47.7*	13.1	**60.8**	75.6	0.36	0.74	5.37	<0.02	0.1	0.28	1.90	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	18 Apr 2024	0908_MW354S_240418	Normal	-	NSW_0908_PFASOMP_24	**4.34**	*70.9*	10.9	**81.8**	97.2	0.49	0.75	6.88	<0.02	0.2	0.38	1.99	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW354S	25 Sep 2024	0908_MW354S_240925	Normal	-	NSW_0908_PFASOMP_24	**1.72**	*27.6*	14.5	**42.1**	50.9	0.44	0.80	3.10	<0.02	0.2	0.28	1.75	0.42	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	09 Feb 2016	W6_09022016	Normal	-	NSW_0908_PFAS	<0.01	<0.01	-	<0.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW406	25 Aug 2016	W6_250816	Normal	-	NSW_0908_PFAS	0.01	*0.03*	0.04	0.07	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW406	19 Oct 2016	W6_191016	Normal	-	NSW_0908_PFAS	<0.01	*0.02*	0.03	0.05	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW406	19 Oct 2016	QC105_191016	Field_D	-	NSW_0908_PFAS	<0.01	*0.01*	0.04	0.05	-	<0.01	-	-	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW406	11 Jan 2017	QC811_GW_11012017	Interlab_D	-	NSW_0908_PFAS	<0.02	<0.01	0.034	0.034	-	<0.01	-	-	<0.02	<0.05	<0.02	0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
MW406	12 Jan 2017	W6_GW_12012017	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	03 Apr 2018	W6_GW_03042018	Normal	-	NSW_0908_PFAS	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	03 Apr 2018	W6_GW_03042018	Normal	-	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW406	29 Jun 2018	0908_W6_180629	Normal	-	NSW_0908_Stage2	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	21 Nov 2018	0908_W6_181121	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	28 May 2019	0908_W6_190528	Normal	-	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	12 May 2020	0908_MW406_200512	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	19 May 2021	0908_MW406_210519	Normal	-	NSW_0908_PFASOMP	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_MW406_220524	Normal	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_QC113_220524	Field_D	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	24 May 2022	0908_QC213_220524	Interlab_D	-	NSW_0908_PFASOMP	<0.01	<0.01	0.03	0.03	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW406	08 May 2023	0908_MW406_230508	Normal	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	08 May 2023	0908_QC100_230508	Field_D	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW406	08 May 2023	0908_QC200_230508	Interlab_D	-	NSW_0908_PFASOMP_23	<0.01	<0.01	0.04	0.04	0.04	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW406	17 Apr 2024	0908_MW406_240417	Normal	-	NSW_0908_PFASOMP_24	<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	11 Aug 2014	W41_11082014	Normal	-	NSW_0908_PFAS	**2.1**	<0.01	0.23	**6.8**	-	0.02	-	-	<0.01	-	0.07	1	0.23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW441	11 Aug 2014	W41_11082014	Normal	-	NSW_0908_PFAS	-	*4.3*	2.5	**6.8**	-	-	-	-	-	-	-	-	2.5	4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW441	26 Aug 2016	W41_260816	Normal	-	NSW_0908_PFAS	**0.73**	*130*	5.8	**135.8**	-	0.19	-	-	<0.01	<0.05	0.09	1.1	0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW441	18 Oct 2016	W41_181016	Normal	-	NSW_0908_PFAS	0.54	*180*	5.9	**185.9**	-	<0.01	-	-	<0.01	<0.05	0.12	0.88	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	16 Jan 2017	W41_160117	Normal	-	ACTNSW_Hist_202012-3	0.44	*220*	5.2	**225.2**	-	0.11	-	-	<0.01	0.05	0.09	0.61	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	16 Jan 2017	W41_160117	Normal	-	NSW_0908_PFAS	0.44	*220*	5.2	**225.2**	-	0.11	-	-	<0.01	0.05	0.09	0.61	0.08	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW441	04 May 2017	W41_040517	Normal	-	ACTNSW_Hist_202012-3	**1.1**	*170*	6.2	**176.2**	-	0.43	0.58	1.5	0.36	0.36	0.61	1.3	0.42	0.41	0.38	0.39	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW441	04 May 2017	QC105_040517	Field_D	-	ACTNSW_Hist_202012-3	**1.1**	*180*	6.2	**186.2**	-	0.41	0.59	1.6	0.37	0.37	0.62	1.3	0.42	0.39	0.36	0.35	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW441	17 Oct 2019	0908_W41_191017	Normal	-	NSW_0908_PFASMGMT	0.43	*158*	14.1	**172**	180	0.24	0.68	0.29	<0.02	0.3	0.85	4.57	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	17 Oct 2019	0908_QC200_191017	Interlab_D	-	NSW_0908_PFASMGMT	0.23	*110*	13	**123**	-	0.17	0.42	0.23	<0.01	0.26	0.61	3.3	0.42	0.011	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.019	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW441	21 May 2021	0908_MW441_210521	Normal	-	NSW_0908_PFASMGMT	**1.65**	*93.6*	19.4	**113**	125	0.26	1.36	1.81	<0.02	0.3	0.97	5.43	0.54	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW441	23 Apr 2024	0908_MW441_240423	Normal	-	NSW_0908_PFASOMP_24	0.02	*10*	0.26	**10.3**	11.2	<0.02	<0.02	0.08	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.67	0.17	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	18 Jun 2014	W66	Normal	-	ACTNSW_Hist_202012-3	**1.4**	*29.1*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW466	11 Aug 2014	W66_11082014	Normal	-	NSW_0908_PFAS	**0.69**	<0.01	0.03	**13.03**	-	3.9	-	-	<0.01	-	0.61	6.7	0.03	0.03	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW466	11 Aug 2014	W66_11082014	Normal	-	NSW_0908_PFAS	-	*13*	-	-	-	-	-	-	-	-	-	-	1.7	13	-	0.03	0.03	-	-	-	0.03	<0.01	-	-	-	-	-	-	-	-
MW466	29 Aug 2016	W66_290816	Normal	-	NSW_0908_PFAS	**0.77**	*26*	7.3	**33.3**	-	0.57	-	-	<0.01	0.1	0.3	1.9	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW466	29 Aug 2016	QC104_2908016	Field_D	-	ACTNSW_Hist_202012-3	**1.33**	*31.8*	10.5	**42.3**	51.9	1	1.13	1.07	<0.02	0.4	1.01	3.12	0.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 Oct 2016	W66_191016	Normal	-	NSW_0908_PFAS	**0.58**	*33*	5.9	**38.9**	-	0.41	-	-	<0.01	0.14	0.15	1.1	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW466	20 Dec 2016	W66_GW_20122016	Normal	-	NSW_0908_PFAS	0.5	*32*	3.24	**35.2**	37.7	0.17	0.22	0.4	<0.02	<0.1	0.2	0.84	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Dec 2016	W66_GW_20122016	Normal	-	NSW_0908_PFAS	-	-	-	**35.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	20 Dec 2016	QC800_GW_201216	Interlab_D	-	NSW_0908_PFAS	0.4	*31*	2.3	**33.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
MW466	12 Jan 2017	W66_120117	Normal	-	ACTNSW_Hist_202012-3	**0.61**	*50*	3.2	**53.2**	-	0.2	-	-	<0.01	0.13	0.17	1.1	0.12	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW466	24 Jan 2017	W66_24012017	Normal	-	NSW_0908_PFAS	**0.69**	*52.9*	4.78	**57.68**	61.2	0.24	0.32	0.57	<0.02	<0.1	0.33	1.23	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Jan 2017	W66_24012017	Normal	-	NSW_0908_PFAS	-	-	-	**57.7**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	02 May 2017	W66_020517	Normal	-	ACTNSW_Hist_202012-3	0.17	*9.5*	3	**12.5**	-	0.17	0.22	0.21	<0.01	0.05	0.09	0.37	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW466	10 Jul 2017	W66	Normal	-	ACTNSW_Hist_202012-3	**0.58**	*28.1*	7.75	**35.8**	-	0.81	-	-	-	<0.1	0.2	1.12	0.2	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	-	-	-	-	-	-
MW466	20 Apr 2018	W66_GW_20042018	Normal	-	NSW_0908_PFAS	0.19	*24*	2.23	**26.2**	28	0.15	0.21	0.19	0.03	<0.1	0.17	0.8	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Apr 2018	W66_GW_20042018	Normal	-	NSW_0908_PFAS	-	-	-	**26.23**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	22 Aug 2018	0908_W66_180822	Normal	-	NSW_0908_PFASMGMT	0.33	*14.7*	6.5	**21.2**	25.2	0.53	0.71	0.34	<0.02	0.2	0.33	1.42	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	14 Sep 2018	0908_W66_180914	Normal	-	NSW_0908_PFASMGMT	0.39	*15.1*	8.14	**23.2**	28.6	0.80	0.92	0.38	<0.02	<0.1	0.38	2.26	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Nov 2018	0908_W66_181129	Normal	-	NSW_0908_PFAS	0.2	*14.8*	2.45	**17.2**	18.7	0.17	0.18	0.18	<0.02	<0.1	0.16	0.52	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Nov 2018	0908_W66_181129	Normal	-	NSW_0908_PFAS	-	-	-	**17.25**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW466	23 Apr 2019	0908_W66_190423	Normal	-	NSW_0908_PFASMGMT	0.06	*11.8*	0.8	**12.6**	13.4	0.08	0.10	0.06	<0.02	<0.1	0.09	0.36	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 May 2019	0908_W66_190522	Normal	-	NSW_0908_PFASMGMT	0.04	*8.73*	0.5	**9.23**	9.99	0.04	0.05	0.04	0.04	0.2	0.11	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	31 May 2019	0908_W66_190531	Normal	-	NSW_0908_PFAS	0.05	*9.65*	0.65	**10.3**	11	0.04	0.05	0.04	0.05	<0.1	0.15	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 Jun 2019	0908_W66_190619	Normal	-	NSW_0908_PFASMGMT	0.07	*6.82*	0.93	**7.75**	8.46	0.04	0.08	0.04	<0.02	<0.1	0.13	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Sep 2019	0908_W66_190924	Normal	-	NSW_0908_PFASMGMT	0.14	*9.04*	1.96	**11**	12.4	0.20	0.20	0.10	0.04	<0.1	0.23	0.43	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	08 Nov 2019	0908_MW466_191108	Normal	-	NSW_0908_PFASOMP	0.12	*10.3*	1.65	**12**	13.4	0.09	0.12	0.08	0.03	0.1	0.30	0.52	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	03 Dec 2019	0908_W66_191203	Normal	-	NSW_0908_PFAS	0.11	*6.98*	1.03	**8.01**	9.30	0.06	0.08	0.08	0.03	<0.1	0.25	0.55	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	16 Mar 2020	0908_W66_200316	Normal	-	NSW_0908_PFASMGMT	<0.05	*1.67*	0.2	**1.87**	1.87	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	11 May 2020	0908_MW466_200511	Normal	-	NSW_0908_PFASOMP	0.07	*3.35*	3.41	**6.76**	9.29	0.65	0.83	0.06	<0.02	<0.1	0.22	0.64	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Jun 2020	0908_MW466_200622	Normal	-	NSW_0908_PFASMGMT	0.12	*7.22*	2.72	**9.94**	11.8	0.28	0.27	0.09	0.04	0.2	0.19	0.50	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.13	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water						**0.56**			**0.07**																									
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																													
MW466	01 Oct 2020	0908_MW466_201001	Normal	-	NSW_0908_PFASMGMT	0.13	*5.25*	4.38	**9.63**	13.0	0.47	0.84	0.12	0.06	0.1	0.30	1.10	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	17 Nov 2020	0908_MW466_201117	Normal	-	NSW_0908_PFASOMP	0.07	*2*	2.41	**4.41**	5.26	0.15	0.18	0.06	<0.02	<0.1	0.06	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	13 Jan 2021	0908_MW466_210113	Normal	-	NSW_0908_PFASMGMT	0.16	*6.13*	2.92	**9.05**	11.1	0.34	0.39	0.19	0.04	<0.1	0.12	0.57	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	29 Mar 2021	0908_MW466_210329	Normal	-	NSW_0908_PFASMGMT	0.14	*0.74*	1.22	**1.96**	5.80	0.14	0.12	0.03	<0.02	0.8	0.89	1.50	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 May 2021	0908_MW466_210524	Normal	-	NSW_0908_PFASOMP	0.41	*19*	6.79	**25.8**	29.3	0.38	0.56	0.39	<0.02	0.2	0.24	1.13	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	23 Jun 2021	0908_MW466_210623	Normal	-	NSW_0908_PFASMGMT	0.52	*9.03*	3.34	**12.4**	15.0	0.22	0.26	0.37	0.05	0.1	0.21	0.78	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Sep 2021	0908_MW466_210922	Normal	-	NSW_0908_PFASMGMT	0.04	*0.13*	1.66	**1.79**	2.07	0.04	0.06	0.08	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	16 Nov 2021	0908_MW466_211116	Normal	-	NSW_0908_PFASOMP	0.41	*16*	3.73	**19.7**	22.6	0.22	0.26	0.40	0.06	0.1	0.30	0.87	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	11 Jan 2022	0908_MW466_220111	Normal	-	NSW_0908_PFASMGMT	0.25	*16.1*	2.05	**18.2**	20.0	0.12	0.13	0.30	0.08	<0.1	0.21	0.60	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	28 Jan 2022	0908_MW466_220128	Normal	-	NSW_0908_PFASMGMT	0.25	*17.9*	2.78	**20.7**	22.9	0.16	0.20	0.34	0.05	0.1	0.24	0.68	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	14 Mar 2022	0908_MW466_220314	Normal	-	NSW_0908_PFASMGMT	0.28	*8.33*	2.26	**10.6**	12.4	0.14	0.18	0.17	<0.02	0.2	0.21	0.56	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	19 May 2022	0908_MW466_220519	Normal	-	NSW_0908_PFASOMP	0.17	*10*	1.84	**11.8**	13.1	0.11	0.12	0.15	0.04	<0.1	0.12	0.45	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	20 Jun 2022	0908_MW466_220620	Normal	-	NSW_0908_PFASMGMT	0.17	*11.8*	2.05	**13.8**	15.2	0.10	0.14	0.15	0.06	<0.1	0.14	0.41	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	12 Sep 2022	0908_MW466_220912	Normal	-	NSW_0908_PFASMGMT	0.30	*18.8*	3.33	**22.1**	24.2	0.14	0.20	0.28	0.04	0.1	0.21	0.62	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	10 Nov 2022	0908_MW466_221110	Normal	-	NSW_0908_PFASOMP	**0.63**	*19.1*	5.72	**24.8**	28.1	0.17	0.30	0.76	0.07	0.1	0.18	0.75	0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	10 May 2023	0908_MW466_230510	Normal	-	NSW_0908_PFASOMP_23	0.16	*18.4*	1.3	**19.7**	20.6	0.07	0.09	0.19	<0.02	<0.1	0.09	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	22 Nov 2023	0908_MW466_231122	Normal	-	NSW_0908_PFASOMP_23	0.30	*17.1*	1.14	**18.2**	19.4	0.05	0.07	0.39	<0.02	<0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	18 Apr 2024	0908_MW466_240418	Normal	-	NSW_0908_PFASOMP_24	0.12	*17.7*	1.33	**19**	20.0	0.08	0.11	0.15	0.04	<0.1	0.08	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW466	24 Sep 2024	0908_MW466_240924	Normal	-	NSW_0908_PFASOMP_24	0.18	*5.51*	1.29	**6.8**	7.70	0.07	0.07	0.15	<0.02	<0.1	0.08	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 Nov 2014	MW68_17112014	Normal	-	NSW_0908_PFAS	**0.71**	*47*	6.6	**53.6**	-	0.68	-	-	0.05	-	0.14	1.6	0.27	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW468	02 Feb 2016	W68_02022016	Normal	-	NSW_0908_PFAS	0.55	*22.8*	-	**22.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
MW468	30 Aug 2016	W68_300816	Normal	-	NSW_0908_PFAS	**0.79**	*37*	9.8	**46.8**	-	0.89	-	-	<0.01	0.05	0.21	2.7	0.3	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
MW468	19 Oct 2016	W68_191016	Normal	-	NSW_0908_PFAS	0.42	*28*	5.6	**33.6**	-	0.43	-	-	<0.01	0.22	0.2	1.5	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.01	-	<0.05	-	<0.05	-	-	<0.05	-
MW468	12 Jan 2017	W68_120117	Normal	-	ACTNSW_Hist_202012-3	0.37	*45*	3.8	**48.8**	-	0.27	-	-	<0.01	0.12	0.17	1.1	0.13	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	0.02	-	<0.05	-	<0.05	-	-	<0.05	-
MW468	24 Jan 2017	W68_24012017	Normal	-	NSW_0908_PFAS	**0.65**	*54.4*	7.09	**61.49**	66	0.42	0.57	0.47	<0.02	<0.1	0.38	1.7	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Jan 2017	W68_24012017	Normal	-	NSW_0908_PFAS	-	-	-	**61.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	02 May 2017	W68_020517	Normal	-	ACTNSW_Hist_202012-3	0.48	*29*	6.2	**35.2**	-	<0.3	0.51	0.51	<0.3	<0.3	0.35	1.2	0.23	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
MW468	20 Apr 2018	W68_GW_20042018	Normal	-	NSW_0908_PFAS	0.21	*27.8*	2.42	**30.2**	32.3	0.27	0.32	0.24	0.04	<0.1	0.2	0.74	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	20 Apr 2018	W68_GW_20042018	Normal	-	NSW_0908_PFAS	-	-	-	**30.22**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	22 Aug 2018	0908_W68_180822	Normal	-	NSW_0908_PFASMGMT	0.27	*14.9*	4.66	**19.6**	22.2	0.22	0.35	0.24	<0.02	0.1	0.28	0.99	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	14 Sep 2018	0908_W68_180914	Normal	-	NSW_0908_PFASMGMT	0.23	*12.8*	3.07	**15.9**	18.5	0.23	0.28	0.24	<0.02	<0.1	0.27	1.20	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Nov 2018	0908_W68_181129	Normal	-	NSW_0908_PFAS	0.26	*15.7*	3.69	**19.4**	21.6	0.31	0.35	0.21	<0.02	<0.1	0.19	0.8	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Nov 2018	0908_W68_181129	Normal	-	NSW_0908_PFAS	-	-	-	**19.39**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW468	23 Apr 2019	0908_W68_190423	Normal	-	NSW_0908_PFASMGMT	0.24	*12.5*	3.73	**16.2**	18.5	0.32	0.39	0.26	<0.02	<0.1	0.16	0.77	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 May 2019	0908_W68_190522	Normal	-	NSW_0908_PFASMGMT	0.13	*8.23*	1.48	**9.71**	10.8	0.06	0.12	0.11	0.03	<0.1	0.17	0.33	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	31 May 2019	0908_W68_190531	Normal	-	NSW_0908_PFAS	0.11	*7.49*	1.09	**8.58**	9.54	0.06	0.09	0.08	0.03	<0.1	0.2	0.31	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 Jun 2019	0908_W68_190619	Normal	-	NSW_0908_PFASMGMT	0.08	*5.99*	0.83	**6.82**	7.55	0.03	0.07	0.06	<0.02	<0.1	0.13	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Sep 2019	0908_W68_190924	Normal	-	NSW_0908_PFASMGMT	0.22	*8.58*	2.83	**11.4**	13.7	0.21	0.28	0.15	<0.02	<0.1	0.32	0.91	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	08 Nov 2019	0908_MW468_191108	Normal	-	NSW_0908_PFASOMP	0.20	*13.2*	3.48	**16.7**	18.8	0.23	0.27	0.17	<0.02	0.1	0.24	0.72	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	03 Dec 2019	0908_W68_191203	Normal	-	NSW_0908_PFAS	0.05	*3.43*	0.56	**3.99**	4.88	0.06	0.06	0.04	0.02	<0.1	0.22	0.39	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Mar 2020	0908_W68_200316	Normal	-	NSW_0908_PFASMGMT	<0.05	*1.73*	0.19	**1.92**	1.97	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
MW468	11 May 2020	0908_MW468_200511	Normal	-	NSW_0908_PFASOMP	0.32	*11.5*	6.59	**18.1**	22.8	0.62	1.25	0.37	0.03	0.1	0.29	1.36	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	23 Jun 2020	0908_MW468_200623	Normal	-	NSW_0908_PFASMGMT	0.12	*4.66*	1.41	**6.07**	7.69	0.13	0.16	0.08	0.03	<0.1	0.21	0.53	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.21	<0.05	<0.05	0.07	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	01 Oct 2020	0908_MW468_201001	Normal	-	NSW_0908_PFASMGMT	0.11	*5.89*	1.38	**7.27**	8.69	0.15	0.21	0.09	0.02	<0.1	0.16	0.45	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.13	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 Nov 2020	0908_MW468_201117	Normal	-	NSW_0908_PFASOMP	0.20	*7.1*	5.12	**12.2**	15.9	0.59	0.80	0.16	<0.02	0.2	0.27	1.26	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	13 Jan 2021	0908_MW468_210113	Normal	-	NSW_0908_PFASMGMT	0.27	*12.3*	4.95	**17.2**	19.8	0.25	0.48	0.23	0.03	<0.1	0.18	0.69	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.20	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	29 Mar 2021	0908_MW468_210329	Normal	-	NSW_0908_PFASMGMT	0.06	*3*	0.48	**3.48**	3.78	0.03	0.04	0.04	<0.02	<0.1	0.04	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	17 May 2021	0908_MW468_210517	Normal	-	NSW_0908_PFASOMP	0.32	*15.9*	5.59	**21.5**	24.8	0.31	0.52	0.37	0.03	0.2	0.31	0.96	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	23 Jun 2021	0908_MW468_210623	Normal	-	NSW_0908_PFASMGMT	0.44	*10.8*	5.66	**16.5**	19.7	0.23	0.39	0.24	<0.02	0.2	0.30	1.15	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 Sep 2021	0908_MW468_210922	Normal	-	NSW_0908_PFASMGMT	0.38	*14.3*	5.62	**19.9**	22.9	0.29	0.39	0.33	<0.02	0.2	0.29	0.84	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Nov 2021	0908_MW468_211116	Normal	-	NSW_0908_PFASOMP	0.34	*14.9*	5.74	**20.6**	23.5	0.27	0.38	0.26	0.02	0.2	0.28	0.93	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	16 Nov 2021	0908_QC208_211116	Interlab_D	-	NSW_0908_PFASOMP	0.32	*14*	5.3	**19**	22	0.23	0.34	0.30	<0.02	0.2	0.25	0.87	0.18	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.09	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW468	12 Jan 2022	0908_MW468_220112	Normal	-	NSW_0908_PFASMGMT	0.21	*9.9*	2.14	**12**	13.7	0.12	0.14	0.16	0.02	<0.1	0.18	0.58	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	14 Mar 2022	0908_MW468_220314	Normal	-	NSW_0908_PFASMGMT	0.26	*21.7*	2.72	**24.4**	26.4	0.16	0.21	0.19	0.02	0.1	0.20	0.62	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.14	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 May 2022	0908_MW468_220519	Normal	-	NSW_0908_PFASOMP	0.29	*16*	3.38	**19.4**	21.7	0.15	0.23	0.30	0.03	0.1	0.23	0.67	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	0.04	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	19 May 2022	0908_QC210_220519	Interlab_D	-	NSW_0908_PFASOMP	0.35	*17*	3.6	**21**	23	0.16	0.20	0.29	0.03	0.1	0.24	0.56	0.12	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.12	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW468	20 Jun 2022	0908_MW468_220620	Normal	-	NSW_0908_PFASMGMT	0.23	*15.4*	3.21	**18.6**	20.1	0.16	0.24	0.22	0.02	<0.1	0.11	0.34	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	12 Sep 2022	0908_MW468_220912	Normal	-	NSW_0908_PFASMGMT	0.31	*16.1*	3.37	**19.5**	21.4	0.12	0.21	0.28	<0.02	0.1	0.18	0.49	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
MW468	12 Sep 2022	0908_QC101_220912	Field_D	-	NSW_0908_PFASMGMT		0.31	*15.6*	3.67	**19.3**	21.2	0.13	0.19	0.28	0.02	0.1	0.19	0.52	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	10 Nov 2022	0908_MW468_221110	Normal	-	NSW_0908_PFASOMP		0.53	*27.1*	6.57	**33.7**	37.0	0.21	0.34	0.68	<0.02	0.2	0.23	0.94	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	10 May 2023	0908_MW468_230510	Normal	-	NSW_0908_PFASOMP_23		0.21	*14*	1.35	**15.4**	16.4	0.07	0.09	0.23	<0.02	<0.1	0.08	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	22 Nov 2023	0908_MW468_231122	Normal	-	NSW_0908_PFASOMP_23		0.14	*10.1*	1.35	**11.4**	12.4	0.06	0.11	0.16	<0.02	<0.1	0.09	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	0.03	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	18 Apr 2024	0908_MW468_240418	Normal	-	NSW_0908_PFASOMP_24		0.11	*7.23*	1.11	**8.34**	9.55	0.06	0.09	0.10	<0.02	<0.1	0.11	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.26	<0.05	<0.05	0.05	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW468	24 Sep 2024	0908_MW468_240924	Normal	-	NSW_0908_PFASOMP_24		0.27	*12.4*	3.34	**15.7**	17.6	0.14	0.17	0.28	0.05	<0.1	0.17	0.54	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	08 Dec 2020	0908_MW731D_201208	Normal	Risk Zone A	NSW_0908_PFASMGMT		0.16	*3.36*	1.86	**5.22**	6.62	0.41	0.15	0.17	<0.02	<0.1	0.07	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	09 May 2024	0908_MW731D_240509	Normal	Risk Zone A	NSW_0908_PFASOMP_24		**0.58**	*14.5*	6.36	**20.9**	25.9	0.73	0.69	0.68	<0.02	0.2	0.24	1.27	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731D	23 Sep 2024	0908_MW731D_240923	Normal	Risk Zone A	NSW_0908_PFASOMP_24		**0.61**	*16.2*	7.28	**23.5**	29.2	0.79	0.76	0.98	<0.02	0.2	0.25	1.40	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	02 Dec 2020	0908_QC200_201209	Interlab_D	Risk Zone A	NSW_0908_PFASMGMT		0.27	*13*	2.8	**15.8**	-	0.3	0.31	0.2	<0.01	0.17	0.28	0.83	0.17	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.28	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW731S	08 Dec 2020	0908_MW731S_201208	Normal	Risk Zone A	NSW_0908_PFASMGMT		0.30	*18.3*	3.28	**21.6**	24.2	0.29	0.29	0.31	<0.02	0.1	0.26	0.75	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	09 Dec 2020	0908_MW731S_201209	Normal	Risk Zone A	NSW_0908_PFASMGMT		0.36	*18.4*	3.7	**22.1**	25.4	0.38	0.34	0.31	<0.02	0.2	0.31	0.94	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW731S	02 Aug 2024	0908_MW731S_240802	Normal	Risk Zone A	NSW_0908_PFASOMP_24		**0.59**	*19.6*	5.37	**25**	30.1	0.49	0.58	0.58	0.02	0.3	0.36	1.36	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.19	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	0.02	<0.05
MW731S	23 Sep 2024	0908_MW731S_240923	Normal	Risk Zone A	NSW_0908_PFASOMP_24		**0.90**	*20.5*	6.34	**26.8**	33.1	0.62	0.63	0.71	0.04	0.3	0.41	1.82	0.36	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	30 Mar 2017	PS9_BORE30_300317	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.06*	0.12	**0.18**	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908_PS9_30_181206	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908_QC111_181206	Field_D	Risk Zone B	NSW_0908_PFAS		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Dec 2018	0908-QC206-181206	Interlab_D	Risk Zone B	NSW_0908_PFAS		<0.01	<0.02	0.014	0.034	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
MW829	24 May 2019	0908_PS9_BORE30_190524	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	06 Nov 2019	0908_PS9_BORE 30_191106	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	27 May 2020	0908_MW652_200527	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	19 Nov 2020	0908_MW829_201119	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	25 May 2021	0908_MW829_210525	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	15 Nov 2021	0908_MW829_211115	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.02*	0.03	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	30 May 2022	0908_MW829_220530	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	<0.01	0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	08 Nov 2022	0908_MW829_221108	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.01*	<0.01	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	11 May 2023	0908_MW829_230511	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.01*	0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	23 Nov 2023	0908_MW829_231123	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	<0.01	0.03	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_MW829_240422	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC110_240422	Field_D	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW829	22 Apr 2024	0908_QC210_240422	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.03*	0.02	0.06	0.06	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW829	26 Sep 2024	0908_MW829_240926	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	24 Mar 2017	SK3496_D_24032017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	22 May 2019	0908_SK3496_D_190522	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	25 May 2021	0908_MW842_210525	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	02 Jun 2022	0908_MW842_220602	Normal	-	NSW_0908_PFASOMP		<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	18 May 2023	0908_MW842_230518	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW842	23 Apr 2024	0908_MW842_240423	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	24 Mar 2017	SK3496_S_24032017	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	22 May 2019	0908_SK3496_S_190522	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	25 May 2021	0908_MW844_210525	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	02 Jun 2022	0908_MW844_220602	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	18 May 2023	0908_MW844_230518	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW844	31 Jul 2024	0908_MW844_240731	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW886	06 Jun 2019	DF1G_MW02_060619	Normal	-	NSW_0908_FSBGME		0.28	*46.4*	3.96	**50.4**	51.8	0.03	0.08	0.74	<0.02	<0.1	0.06	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW886	29 Apr 2021	0908_MW886_210429	Normal	-	NSW_0908_PCAEST0013		0.55	*59*	4.3	**63.3**	65.18	0.02	0.03	0.37	<0.01	0.20	0.16	0.39	0.09	0.02	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.05	<0.01	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW886	23 Apr 2024	0908_MW886_240423	Normal	-	NSW_0908_PFASOMP_24		0.20	*66.2*	1.8	**68**	69.5	0.05	0.08	0.43	<0.02	<0.1	0.06	0.32	0.05	0.03	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	12 Aug 2021	0908_MW897D_210812	Normal	Risk Zone B	NSW_0908_PFASMGMT		0.02	*1.02*	0.28	**1.3**	1.40	<0.02	<0.02	0.06	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	12 Aug 2021	0908_QC100_210812	Field_D	Risk Zone B	NSW_0908_PFASMGMT		0.02	*0.92*	0.27	**1.19**	1.28	<0.02	<0.02	0.05	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_MW897D_240424	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.5*	0.08	**0.58**	0.58	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC111_240424	Field_D	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.75*	0.07	**0.82**	0.85	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897D	24 Apr 2024	0908_QC211_240424	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.55*	0.09	**0.63**	0.65	<0.01	<0.01	0.02	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
MW897S	12 Aug 2021	0908_MW897S_210812	Normal	Risk Zone B	NSW_0908_PFASMGMT		0.02	*0.15*	0.08	**0.23**	0.27	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_MW897S_240424	Normal	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.22*	0.04	**0.26**	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC113_240424	Field_D	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.26*	0.04	**0.3**	0.30	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
MW897S	24 Apr 2024	0908_QC213_240424	Interlab_D	Risk Zone B	NSW_0908_PFASOMP_24		<0.01	*0.2*	0.03	**0.23**	0.27	0.02	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
POT046	21 Oct 2015	BWS46_211015	Normal	Risk Zone B	NSW_0908_PFAS		<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-

Table T8 - Historical Groundwater Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.0005	0.0002	0.0005	0.0002	0.0002	0.0005	0.0005	0.0005	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001	0.001	0.001	0.001	0.0005	0.001	0.0005	0.001	0.001	0.0005	0.001
PFAS NEMP 2020 Drinking Water							**0.56**			**0.07**																										
PFAS NEMP 2020 Recreational Water							**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Risk Zone**	**Project ID**																															
POT046	17 Jan 2017	BWS46_170117	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.08*	0.03	**0.11**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
POT046	06 Jun 2019	0908_BWS046_190606	Normal	Risk Zone B	NSW_0908_PFAS		<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	28 May 2020	0908_POT046_200528	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.11*	0.04	**0.15**	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	13 May 2021	0908_POT046_210513	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.05*	0.04	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	27 May 2022	0908_POT046_220527	Normal	Risk Zone B	NSW_0908_PFASOMP		<0.01	*0.13*	0.06	**0.19**	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT046	16 May 2023	0908_POT046_230516	Normal	Risk Zone B	NSW_0908_PFASOMP_23		<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	27 Oct 2015	BWS85_271015	Normal	Risk Zone C	NSW_0908_PFAS		<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT085	06 Dec 2016	BWS085_061216	Normal	Risk Zone C	NSW_0908_PFAS		0.02	*0.03*	<0.02	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
POT085	18 Jun 2019	0908_BWS085_190618	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	28 May 2020	0908_POT085_200528	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	19 Nov 2021	0908_POT085_211119	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	16 May 2022	0908_POT085_220516	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT085	15 May 2023	0908_POT085_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	29 Oct 2015	BWS107_291015	Normal	Risk Zone C	NSW_0908_PFAS		<0.02	*0.02*	-	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT107	29 Nov 2016	BWS107_291116	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.05*	0.26	**0.31**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
POT107	09 Apr 2018	BWS107_GW_09042018	Normal	Risk Zone C	NSW_0908_PFAS		0.01	*0.04*	0.07	**0.11**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	04 Jun 2019	0908_BWS107_190604	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	07 Nov 2019	0908_POT107_191107	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.02*	0.06	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	26 May 2020	0908_POT107_200526	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	12 May 2021	0908_POT107_210512	Normal	Risk Zone C	NSW_0908_PFASOMP		0.05	*0.02*	0.03	0.05	0.13	0.03	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	31 May 2022	0908_POT107_220531	Normal	Risk Zone C	NSW_0908_PFASOMP		0.04	*0.04*	0.04	**0.08**	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	14 Nov 2022	0908_POT107_221114	Normal	Risk Zone C	NSW_0908_PFASOMP		0.01	*0.02*	0.01	0.03	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	15 May 2023	0908_POT107_230515	Normal	Risk Zone C	NSW_0908_PFASOMP_23		0.01	*0.03*	0.02	0.05	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT107	23 Apr 2024	0908_POT107_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24		0.01	*0.02*	0.01	0.03	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	06 Nov 2015	BWS144_061115	Normal	-	NSW_0908_PFAS		<0.02	<0.02	-	<0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
POT144	30 Jan 2017	BWS144_300117	Normal	-	NSW_0908_PFAS		<0.01	*0.05*	<0.02	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	-	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	18 Apr 2018	BWS144_GW_18042018	Normal	-	NSW_0908_PFAS		-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POT144	04 Jun 2019	0908_BWS144_190604	Normal	-	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	27 May 2020	0908_POT144_200527	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	13 May 2021	0908_POT144_210513	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	16 May 2022	0908_POT144_220516	Normal	-	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	17 May 2023	0908_POT144_230517	Normal	-	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT144	09 May 2024	0908_POT144_240509	Normal	-	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	24 Aug 2016	BWS236_240816	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.05*	0.03	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	24 Aug 2016	QC99_240816	Field_D	Risk Zone C	NSW_0908_PFAS		<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	27 Feb 2017	BWS236_270217	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.06*	0.1	**0.16**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-
POT236	03 Jun 2019	0908_BWS236_190603	Normal	Risk Zone C	NSW_0908_PFAS		<0.01	*0.03*	0.06	**0.09**	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	28 May 2020	0908_POT236_200528	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.04*	0.12	**0.16**	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	12 May 2021	0908_POT236_210512	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.06*	0.02	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	18 May 2022	0908_POT236_220518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	*0.04*	0.04	**0.08**	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT236	16 May 2023	0908_POT236_230516	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	*0.03*	0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	12 Nov 2021	0908_POT382_211112	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	18 May 2022	0908_POT382_220518	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	14 Nov 2022	0908_POT382_221114	Normal	Risk Zone C	NSW_0908_PFASOMP		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	17 May 2023	0908_POT382_230517	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	28 Nov 2023	0908_POT382_231128	Normal	Risk Zone C	NSW_0908_PFASOMP_23		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	23 Apr 2024	0908_POT382_240423	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
POT382	20 Sep 2024	0908_POT382_240920	Normal	Risk Zone C	NSW_0908_PFASOMP_24		<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample
	Denotes new exceedence of human health and/or ecological screening criteria (September 2024 data)

Any historical data identified as anomalous in the databse is not displayed in this table.

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																											

Location Code	Date	Field ID	Sample Type	Region	Project ID																											
SW001	18 Jun 2014	MD1_WATER	Normal	Region 1	NSW_0908_PFAS	0.06	*0.82*	0.56	1.38	-	0.04	-	-	<0.01	-	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW001	18 Jun 2014	QC1_WATER	Field_D	Region 1	NSW_0908_PFAS	0.06	*0.73*	0.52	1.25	-	0.04	-	-	<0.01	-	0.02	0.13	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW001	26 Jun 2014	QAQC2_WATER	Interlab_D	Region 1	NSW_0908_PFAS	0.13	*5.26*	-	**5.26**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
SW001	13 Jan 2016	MD1_SW_1312016	Normal	Region 1	NSW_0908_PFAS	0.109	*2.52*	-	**2.52**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-
SW001	15 Jan 2016	MD1_SW_15012016	Normal	Region 1	NSW_0908_PFAS	0.039	*1.42*	-	1.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW001	14 Dec 2016	MD1_SW_20161214	Normal	Region 1	NSW_0908_PFAS	0.11	*4.3*	1.13	**5.43**	6.06	0.09	0.09	0.13	<0.02	<0.1	0.04	0.12	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Dec 2016	QC401_20161214	Field_D	Region 1	NSW_0908_PFAS	0.1	*5.2*	1.22	**6.42**	7.06	0.08	0.08	0.16	<0.02	<0.1	0.03	0.14	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Dec 2016	QC501_20161214	Interlab_D	Region 1	NSW_0908_PFAS	0.098	*5.5*	6.3	**11.8**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-
SW001	02 Feb 2017	MD1_SW_020217	Normal	Region 1	NSW_0908_PFAS	0.08	*3.06*	0.59	**3.65**	3.98	0.04	0.05	0.05	<0.02	<0.1	<0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Feb 2017	MD1_SW_090217	Normal	Region 1	NSW_0908_PFAS	<0.05	*0.44*	0.16	0.6	0.6	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW001	16 Feb 2017	MD1_SW_16022017	Normal	Region 1	NSW_0908_PFAS	0.17	*6.12*	1.5	**7.62**	8.6	0.1	0.11	0.18	<0.02	0.1	0.07	0.2	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Feb 2017	MD1_SW_240217	Normal	Region 1	NSW_0908_PFAS	0.11	*3.76*	0.91	**4.67**	5.24	0.07	0.07	0.11	<0.02	<0.1	0.05	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	MD1_SW_020317	Normal	Region 1	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	QC410_SW_020317	Field_D	Region 1	NSW_0908_PFAS	<0.01	*0.14*	0.07	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Mar 2017	QC509_02032017	Interlab_D	Region 1	NSW_0908_PFAS	<0.02	*0.16*	0.084	0.244	-	<0.01	-	-	<0.02	<0.05	<0.02	0.017	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW001	09 Mar 2017	MD1_SW_090317	Normal	Region 1	NSW_0908_PFAS	0.02	*0.3*	0.23	0.53	0.62	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	16 Mar 2017	MD1_SW_20170316	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.1*	0.02	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	23 Mar 2017	MD1_SW_230317	Normal	Region 1	NSW_0908_PFAS	0.02	*1.11*	0.34	1.45	1.63	0.03	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0330	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.04*	0.02	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0331	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0430	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0445	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0500	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.05*	0.02	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0600	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.09*	0.02	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0615	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_0630	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Mar 2017	MD1_AS_240317_ 0645	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	31 Mar 2017	MD1_AS_310317_2345	Normal	Region 1	NSW_0908_PFAS	0.02	*1.06*	0.45	1.51	1.74	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	31 Mar 2017	MD1_SW_310317	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.33*	0.14	0.47	0.49	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0000	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.28*	0.09	0.37	0.39	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0015	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.27*	0.07	0.34	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0030	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.23*	0.06	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Apr 2017	MD1_AS_010417_0045	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.22*	0.06	0.28	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_545	Normal	Region 1	NSW_0908_PFAS	0.02	*0.68*	0.34	1.02	1.17	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_600	Normal	Region 1	NSW_0908_PFAS	0.02	*0.84*	0.3	1.14	1.29	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_615	Normal	Region 1	NSW_0908_PFAS	0.01	*0.37*	0.12	0.49	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_630	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.29*	0.1	0.39	0.39	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_745	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.16*	0.05	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_800	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_815	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_830	Normal	Region 1	NSW_0908_PFAS	0.02	*0.08*	<0.02	0.08	0.61	<0.02	<0.02	<0.02	<0.02	<0.1	0.51	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_845	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.09*	0.02	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1430	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.11*	0.02	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1445	Normal	Region 1	NSW_0908_PFAS	0.03	*0.72*	0.26	0.98	1.63	0.04	0.04	<0.02	<0.02	<0.1	0.5	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1700	Normal	Region 1	NSW_0908_PFAS	<0.01	*1.05*	0.54	1.59	1.83	0.06	0.06	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1715	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.8*	0.27	1.07	1.7	0.03	0.03	<0.02	<0.02	<0.1	0.52	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 Apr 2017	MD1_AS_040417_1730	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.39*	0.1	0.49	1.05	<0.02	<0.02	<0.02	<0.02	<0.1	0.54	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Apr 2017	MD1_SW_050417	Normal	Region 1	NSW_0908_PFAS	0.03	*0.8*	0.38	1.18	1.34	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0230	Normal	Region 1	NSW_0908_PFAS	0.03	*4.31*	1.13	**5.44**	6.53	0.1	0.12	0.07	<0.02	<0.1	0.52	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0345	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.11*	0.02	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0400	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.12*	0.03	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0415	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.17*	0.04	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0430	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.18*	0.05	0.23	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0445	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.22*	0.07	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	06 Apr 2017	MD1_AS_060417_0500	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.21*	0.07	0.28	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	04 May 2017	MD1_SW_040517	Normal	Region 1	NSW_0908_PFAS	0.11	*4.35*	2.59	**6.94**	-	0.19	0.28	0.22	<0.02	<0.1	<0.02	0.28	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	01 Jun 2017	MD1_SW_010617	Normal	Region 1	NSW_0908_PFAS	0.07	*2.23*	1.25	**3.48**	4.64	0.21	0.16	0.12	<0.02	<0.1	0.1	0.47	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Jul 2017	MD1_SW_200717	Normal	Region 1	NSW_0908_PFAS	0.11	*3.71*	2.44	**6.15**	7.58	0.22	0.3	0.22	<0.02	<0.1	0.08	0.43	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	12 Apr 2018	MD1_SW_12042018	Normal	Region 1	NSW_0908_PFAS	0.06	*3.14*	0.55	**3.69**	4.03	0.03	0.04	0.07	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																												

Location Code	Date	Field ID	Sample Type	Region	Project ID																											
SW001	06 Dec 2018	0908_MD1_SW_181206	Normal	Region 1	NSW_0908_PFAS	0.07	*2.92*	0.68	**3.6**	4.03	0.04	0.05	0.07	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Apr 2019	0908_MD01_190409	Normal	Region 1	NSW_0908_PFAS	0.12	*4.83*	1.25	**6.08**	-	0.08	0.11	0.14	<0.02	0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	14 Jun 2019	0908_MD1_SW_190614	Normal	Region 1	NSW_0908_PFAS	0.03	*2.45*	0.38	**2.83**	2.98	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Nov 2019	0908_MD1_SW_191105	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.08*	<0.02	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	02 Jun 2020	0908_SW001_200602	Normal	Region 1	NSW_0908_PFASOMP	0.04	*2.24*	0.48	**2.72**	2.99	0.03	0.03	0.06	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	27 Oct 2020	0908_SW001_201027	Normal	Region 1	NSW_0908_PFASMGMT	<0.04	*0.49*	0.20	0.69	0.69	<0.04	<0.04	<0.04	<0.02	<0.1	<0.04	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Oct 2020	0908_QC100_201028	Field_D	Region 1	NSW_0908_PFASMGMT	<0.05	*0.60*	0.25	0.85	0.93	<0.05	<0.05	<0.05	<0.02	<0.1	<0.05	0.08	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Oct 2020	0908_SW001_201028	Normal	Region 1	NSW_0908_PFASMGMT	<0.05	*0.66*	0.23	0.89	0.95	<0.05	<0.05	<0.05	<0.02	<0.1	<0.05	0.06	<0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Nov 2020	0908_QC102_201120	Field_D	Region 1	NSW_0908_PFASOMP	0.12	*6.86*	1.68	**8.54**	9.58	0.15	0.16	0.19	<0.02	<0.1	0.06	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Nov 2020	0908_QC202_201120	Interlab_D	Region 1	NSW_0908_PFASOMP	0.06	*2.6*	1	**3.6**	-	0.09	0.097	0.082	<0.01	<0.05	0.039	0.18	0.028	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	20 Nov 2020	0908_SW001_201120	Normal	Region 1	NSW_0908_PFASOMP	0.13	*5.3*	1.67	**6.97**	8.05	0.16	0.16	0.19	<0.02	<0.1	0.06	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 Dec 2020	0908_QC100_201218	Field_D	Region 1	NSW_0908_PFASOMP	0.03	*1.89*	0.42	**2.31**	2.53	0.03	0.03	0.04	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 Dec 2020	0908_QC200_201218	Interlab_D	Region 1	NSW_0908_PFASOMP	0.03	*1.8*	0.44	**2.24**	-	0.022	0.026	0.035	<0.01	<0.05	0.024	0.072	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	18 Dec 2020	0908_SW001_201218	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.85*	0.39	**2.24**	2.45	0.03	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211510	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.81*	0.2	1.01	1.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211610	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.45*	0.09	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211710	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.39*	0.09	0.48	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211810	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.49*	0.14	0.63	0.65	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012211910	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.69*	0.16	0.85	0.89	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212010	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.57*	0.14	0.71	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212110	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.62*	0.14	0.76	0.79	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212210	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.59*	0.13	0.72	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Dec 2020	0908_SW001_2012212310	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.44*	0.1	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220010	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.45*	0.09	0.54	0.54	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220110	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.27*	0.06	0.33	0.33	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220210	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.36*	0.1	0.46	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220310	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.46*	0.14	0.6	0.62	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220410	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.62*	0.18	0.8	0.84	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220510	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.79*	0.25	1.04	1.12	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220610	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.04*	0.31	1.35	1.46	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220710	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.17*	0.32	1.49	1.60	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	22 Dec 2020	0908_SW001_2012220810	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.09*	0.34	1.43	1.56	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_QC102_210128	Field_D	Region 1	NSW_0908_PFASOMP	0.02	*0.89*	0.28	1.17	1.25	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_QC202_210128	Interlab_D	Region 1	NSW_0908_PFASOMP	0.019	*0.91*	0.26	1.17	-	0.01	0.011	0.014	<0.01	<0.05	<0.02	0.038	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW001	28 Jan 2021	0908_SW001_2101281650	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.96*	0.28	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281750	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.94*	0.3	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281850	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.48*	0.13	0.61	0.64	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101281950	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.38*	0.1	0.48	0.48	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282050	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.43*	0.12	0.55	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282150	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.35*	0.1	0.45	0.45	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282250	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.43*	0.14	0.57	0.61	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	28 Jan 2021	0908_SW001_2101282350	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.52*	0.14	0.66	0.70	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_210129	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.03*	0.29	1.32	1.43	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290050	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.64*	0.19	0.83	0.87	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290150	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.68*	0.21	0.89	0.95	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290250	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.76*	0.27	1.03	1.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290350	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.94*	0.3	1.24	1.33	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290450	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.94*	0.32	1.26	1.38	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290550	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.03*	0.32	1.35	1.46	<0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290650	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.49*	0.45	1.94	2.15	0.03	0.02	0.03	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290750	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.28*	0.36	1.64	1.78	<0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290850	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.45*	0.44	1.89	2.09	0.02	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101290950	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.49*	0.4	1.89	2.10	0.02	0.03	0.04	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291050	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.05*	0.3	1.35	1.45	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291150	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.04*	0.31	1.35	1.48	0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291250	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.06*	0.29	1.35	1.48	0.02	<0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291350	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.84*	0.23	1.07	1.18	0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291450	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.84*	0.24	1.08	1.17	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	29 Jan 2021	0908_SW001_2101291550	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.9*	0.27	1.17	1.26	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																														
SW001	19 Feb 2021	0908_SW001_210219	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.76*	0.16	0.92	0.98	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	26 Mar 2021	0908_SW001_210326	Normal	Region 1	NSW_0908_PFASOMP	0.04	*1.64*	0.47	**2.11**	2.37	0.02	0.03	0.04	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	23 Apr 2021	0908_SW001_210423	Normal	Region 1	NSW_0908_PFASOMP	0.05	*2.02*	0.61	**2.63**	2.99	0.05	0.06	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 May 2021	0908_SW001_210511	Normal	Region 1	NSW_0908_PFASOMP	0.09	*3.93*	1.16	**5.09**	5.84	0.12	0.13	0.12	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Jun 2021	0908_SW001_210625	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.31*	0.37	1.68	1.86	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	09 Jul 2021	0908_SW001_210709	Normal	Region 1	NSW_0908_PFASMGMT	0.02	*1*	0.22	1.22	1.32	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	30 Jul 2021	0908_SW001_210730	Normal	Region 1	NSW_0908_PFASOMP	0.07	*5.57*	0.72	**6.29**	6.71	0.04	0.05	0.07	<0.02	<0.1	0.04	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	20 Aug 2021	0908_SW001_210820	Normal	Region 1	NSW_0908_PFASOMP	0.06	*2.75*	0.52	**3.27**	3.60	0.03	0.04	0.06	<0.02	<0.1	0.04	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	27 Sep 2021	0908_SW001_210927	Normal	Region 1	NSW_0908_PFASOMP	0.04	*2.21*	0.48	**2.69**	2.94	0.02	0.03	0.04	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Oct 2021	0908_SW001_211025	Normal	Region 1	NSW_0908_PFASOMP	0.05	*2.63*	0.47	**3.1**	3.40	0.03	0.04	0.05	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	19 Nov 2021	0908_QC114_211119	Field_D	Region 1	NSW_0908_PFASOMP	0.05	*2.3*	0.53	**2.83**	3.19	0.07	0.03	0.05	<0.02	<0.1	0.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	19 Nov 2021	0908_SW001_211119	Normal	Region 1	NSW_0908_PFASOMP	0.04	*2.18*	0.45	**2.63**	2.94	0.05	0.04	0.04	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	18 May 2022	0908_SW001_220518	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.65*	0.37	**2.02**	2.25	0.02	0.03	0.04	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	13 Jul 2022	0908_QC100_220713	Field_D	Region 1	NSW_0908_PFASMGMT	0.01	*0.63*	0.11	0.74	0.78	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	13 Jul 2022	0908_SW001_220713	Normal	Region 1	NSW_0908_PFASMGMT	0.01	*0.59*	0.1	0.69	0.73	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	Region 1	NSW_0908_PFASMGMT	0.01	*0.83*	0.21	0.98	1.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111720	Normal	Region 1	NSW_0908_PFASMGMT	-	-	-	1.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	Region 1	NSW_0908_PFASMGMT	0.01	*0.76*	0.2	0.92	1.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	11 Aug 2022	0908_SW001_2208111721	Normal	Region 1	NSW_0908_PFASMGMT	-	-	-	0.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW001	08 Nov 2022	0908_SW001_221108	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.46*	0.34	1.8	1.99	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	08 May 2023	0908_SW001_230508	Normal	Region 1	NSW_0908_PFASOMP_23	0.04	*2.16*	0.41	**2.57**	2.80	<0.02	0.03	0.04	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	21 Nov 2023	0908_SW001_231121	Normal	Region 1	NSW_0908_PFASOMP_23	0.02	*1.16*	0.24	1.4	1.54	0.03	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	24 Apr 2024	0908_SW001_240424	Normal	Region 1	NSW_0908_PFASOMP_24	0.04	*2.5*	0.49	**2.99**	3.32	0.03	0.04	0.04	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Sep 2024	0908_QC101_240905	Field_D	Region 1	NSW_0908_PFASMGMT_24	0.03	*1.48*	0.31	1.79	1.95	<0.02	0.02	0.03	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	05 Sep 2024	0908_QC201_240905	Interlab_D	Region 1	NSW_0908_PFASMGMT_24	0.02	*1.2*	0.33	1.5	1.7	0.01	0.02	0.02	<0.02	0.02	0.02	0.06	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
SW001	05 Sep 2024	0908_SW001_240905	Normal	Region 1	NSW_0908_PFASMGMT_24	0.03	*1.49*	0.3	1.79	1.94	<0.02	0.02	0.03	<0.02	<0.1	0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW001	25 Sep 2024	0908_SW001_240925	Normal	Region 1	NSW_0908_PFASOMP_24	0.03	*1.9*	0.4	**2.3**	2.46	<0.02	<0.02	0.03	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 Jun 2014	MD5_WATER	Normal	Region 1	NSW_0908_PFAS	0.01	*0.03*	0.15	0.18	-	0.02	-	-	<0.01	-	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW005	25 Jan 2016	MD5_SW_2512016	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.04*	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
SW005	20 Dec 2016	MD5_SW_161220	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	02 Feb 2017	MD5_SW_020217	Normal	Region 1	NSW_0908_PFAS	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
SW005	09 Feb 2017	MD5_SW_090217	Normal	Region 1	NSW_0908_PFAS	<0.05	*0.12*	0.14	0.26	0.26	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	16 Feb 2017	MD5_SW_16022017	Normal	Region 1	NSW_0908_PFAS	<0.05	*0.05*	<0.05	0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.08	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	24 Feb 2017	MD5_SW_240217	Normal	Region 1	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	02 Mar 2017	MD5_SW_020317	Normal	Region 1	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	09 Mar 2017	MD5_SW_090317	Normal	Region 1	NSW_0908_PFAS	<0.05	*0.05*	<0.05	0.05	0.13	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	0.08	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12	
SW005	17 Mar 2017	MD5_SW_20170317	Normal	Region 1	NSW_0908_PFAS	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW005	23 Mar 2017	MD5_SW_23032017	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.17*	0.08	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Mar 2017	MD5_SW_300317	Normal	Region 1	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	06 Apr 2017	MD5_SW_060417	Normal	Region 1	NSW_0908_PFAS	0.03	*0.84*	0.38	1.22	1.38	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	04 May 2017	MD5_SW_040517	Normal	Region 1	NSW_0908_PFAS	0.05	*1.94*	0.92	**2.86**	-	0.05	0.08	0.09	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	01 Jun 2017	MD5_SW_010617	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.33*	0.22	0.55	0.55	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	MD5_SW_200717	Normal	Region 1	NSW_0908_PFAS	0.03	*1.21*	0.52	1.73	1.98	0.04	0.05	0.05	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	QC418_SW_200717	Field_D	Region 1	NSW_0908_PFAS	0.03	*1.21*	0.54	1.75	1.98	0.03	0.05	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Jul 2017	QC518_SW_200717	Interlab_D	Region 1	NSW_0908_PFAS	0.034	*1.4*	0.5	1.9	-	0.039	-	-	<0.02	<0.05	0.022	0.094	0.015	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW005	12 Apr 2018	MD5_SW_12042018	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.08*	<0.02	0.1	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	12 Apr 2018	MD5_SW_12042018	Normal	Region 1	NSW_0908_PFAS	-	-	-	0.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW005	06 Dec 2018	0908_MD5_SW_181206	Normal	Region 1	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.01*	<0.02	0.01	0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	13 Jun 2019	0908_MD5_SW_190613	Normal	Region 1	NSW_0908_PFAS	-	-	-	0.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW005	06 Nov 2019	0908_MD5_SW_191106	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	04 Jun 2020	0908_SW005_200604	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.84*	0.43	1.27	1.53	0.04	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Nov 2020	0908_SW005_201120	Normal	Region 1	NSW_0908_PFASOMP	0.07	*3.41*	0.81	**4.22**	4.71	0.06	0.06	0.07	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 Dec 2020	0908_SW005_201218	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.29*	0.07	0.36	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220520	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.35*	0.4	1.75	1.99	0.06	0.04	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220620	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.25*	0.37	1.62	1.81	0.04	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220720	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.97*	0.25	1.22	1.31	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220820	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.88*	0.24	1.12	1.26	<0.02	<0.02	0.02	<0.02	<0.1	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012220920	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.84*	0.23	1.07	1.15	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	10			2																													
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																															

Location Code	Date	Field ID	Sample Type	Region	Project ID																															
SW005	22 Dec 2020	0908_SW005_2012221020	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.93*	0.24	1.17	1.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221120	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.85*	0.22	1.07	1.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221220	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.9*	0.23	1.13	1.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221320	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.94*	0.21	1.15	1.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221420	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.89*	0.21	1.1	1.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221520	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.93*	0.21	1.14	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221620	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.99*	0.22	1.21	1.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221720	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.07*	0.22	1.29	1.37	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221820	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.06*	0.22	1.28	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012221920	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.23*	0.31	1.54	1.70	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222020	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.97*	0.23	1.2	1.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222120	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.84*	0.23	1.07	1.15	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222220	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.9*	0.25	1.15	1.23	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	22 Dec 2020	0908_SW005_2012222320	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.91*	0.24	1.15	1.23	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230020	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.96*	0.25	1.21	1.29	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230120	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.96*	0.26	1.22	1.32	0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230220	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.33*	0.35	1.68	1.84	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230320	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.42*	0.37	1.79	1.97	0.02	0.03	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Dec 2020	0908_SW005_2012230420	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.12*	0.32	1.44	1.59	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_QC101_210129	Field_D	Region 1	NSW_0908_PFASOMP	0.02	*1.12*	0.24	1.36	1.44	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_QC201_210129	Interlab_D	Region 1	NSW_0908_PFASOMP	0.013	*0.93*	0.19	1.12	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.03	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW005	29 Jan 2021	0908_SW005_210129	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.07*	0.28	1.35	1.55	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291240	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.06*	0.23	1.29	1.38	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291340	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.05*	0.23	1.28	1.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291440	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.97*	0.21	1.18	1.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291540	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.08*	0.24	1.32	1.41	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291640	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.04*	0.21	1.25	1.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291740	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.06*	0.23	1.29	1.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291840	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.92*	0.2	1.12	1.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101291940	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.99*	0.22	1.21	1.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292040	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.95*	0.21	1.16	1.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292140	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.94*	0.2	1.14	1.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292240	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.87*	0.2	1.07	1.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	29 Jan 2021	0908_SW005_2101292340	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.96*	0.21	1.17	1.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300040	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.95*	0.21	1.16	1.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300140	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.95*	0.21	1.16	1.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300240	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.05*	0.22	1.27	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300340	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.22*	0.3	1.52	1.71	0.05	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300440	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.27*	0.28	1.55	1.65	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300540	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.19*	0.26	1.45	1.57	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300640	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.14*	0.25	1.39	1.48	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300740	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.03*	0.22	1.25	1.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300840	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.07*	0.23	1.3	1.39	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101300940	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.08*	0.22	1.3	1.37	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101301040	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.03*	0.22	1.25	1.32	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jan 2021	0908_SW005_2101301140	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.05*	0.22	1.27	1.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	19 Feb 2021	0908_QC100_210219	Field_D	Region 1	NSW_0908_PFASOMP	0.03	*1.56*	0.37	1.93	2.15	0.02	0.03	0.04	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	19 Feb 2021	0908_QC200_210219	Interlab_D	Region 1	NSW_0908_PFASOMP	0.024	*1.1*	0.26	1.36	-	0.017	0.017	0.02	<0.01	<0.05	<0.02	0.042	0.012	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW005	19 Feb 2021	0908_SW005_210219	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.36*	0.34	1.7	1.86	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	26 Mar 2021	0908_SW005_210326	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.38*	0.14	0.52	0.56	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	23 Apr 2021	0908_SW005_210423	Normal	Region 1	NSW_0908_PFASOMP	0.04	*1.35*	0.53	1.88	2.15	0.04	0.04	0.04	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	11 May 2021	0908_SW005_210511	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.58*	0.23	0.81	0.89	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	25 Jun 2021	0908_SW005_210625	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.41*	0.14	0.55	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	30 Jul 2021	0908_SW005_210730	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.32*	0.43	1.75	1.96	0.03	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	20 Aug 2021	0908_SW005_210820	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.81*	0.3	1.11	1.25	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	27 Sep 2021	0908_SW005_210927	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.87*	0.23	1.1	1.19	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	25 Oct 2021	0908_SW005_211025	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.15*	0.06	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	17 Nov 2021	0908_SW005_211117	Normal	Region 1	NSW_0908_PFASOMP	0.02	*0.71*	0.29	1	1.11	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	18 May 2022	0908_SW005_220518	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.68*	0.25	1.93	2.03	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																													
SW005	08 Nov 2022	0908_QC108_221108	Field_D	Region 1	NSW_0908_PFASOMP	<0.01	*0.24*	0.12	0.36	0.38	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	08 Nov 2022	0908_QC208_221108	Interlab_D	Region 1	NSW_0908_PFASOMP	<0.01	*0.17*	0.09	0.27	0.29	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	08 Nov 2022	0908_SW005_221108	Normal	Region 1	NSW_0908_PFASOMP	<0.01	*0.24*	0.09	0.33	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	09 May 2023	0908_QC111_230509	Field_D	Region 1	NSW_0908_PFASOMP_23	<0.01	*0.22*	0.09	0.31	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	09 May 2023	0908_QC211_230509	Interlab_D	Region 1	NSW_0908_PFASOMP_23	<0.01	*0.25*	0.11	0.36	0.39	<0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	09 May 2023	0908_SW005_230509	Normal	Region 1	NSW_0908_PFASOMP_23	<0.01	*0.37*	0.09	0.46	0.46	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	21 Nov 2023	0908_SW005_231121	Normal	Region 1	NSW_0908_PFASOMP_23	<0.01	*0.04*	<0.01	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	16 Apr 2024	0908_QC103_240416	Field_D	Region 1	NSW_0908_PFASOMP_24	0.01	*0.8*	0.16	0.96	1.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	16 Apr 2024	0908_QC203_240416	Interlab_D	Region 1	NSW_0908_PFASOMP_24	0.02	*0.86*	0.21	1.1	1.2	0.01	0.01	0.02	<0.02	<0.02	<0.02	0.06	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW005	16 Apr 2024	0908_SW005_240416	Normal	Region 1	NSW_0908_PFASOMP_24	0.01	*0.66*	0.16	0.82	0.87	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW005	27 Sep 2024	0908_SW005_240927	Normal	Region 1	NSW_0908_PFASOMP_24	0.02	*0.54*	0.22	0.76	0.82	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Jun 2014	MD6_WATER	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.04*	0.09	0.13	-	<0.01	-	-	<0.01	-	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW006	13 Jan 2016	MD6_SW_1312016	Normal	Region 1	NSW_0908_PFAS	0.007	*0.352*	-	0.352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW006	15 Jan 2016	MD6_SW_15012016	Normal	Region 1	NSW_0908_PFAS	0.008	*0.112*	-	0.112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW006	16 Mar 2017	MD6_SW_20170316	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	17 Mar 2017	QC412_SW_2017317	Field_D	Region 1	NSW_0908_PFAS	<0.05	*0.36*	0.24	0.6	0.6	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW006	23 Mar 2017	MD6_SW_230317	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Mar 2017	QC413_SW_23032017	Field_D	Region 1	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	23 Mar 2017	QC512_SW_230317	Interlab_D	Region 1	NSW_0908_PFAS	<0.02	*0.02*	<0.02	0.02	-	<0.01	-	-	<0.02	<0.05	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW006	31 Mar 2017	MD6_SW_310317	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.03*	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	05 Apr 2017	MD6_SW_050417	Normal	Region 1	NSW_0908_PFAS	0.01	*0.07*	0.09	0.16	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	04 May 2017	MD6_SW_040517	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.09*	0.08	0.17	-	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	01 Jun 2017	MD6_SW_010617	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.13*	0.22	0.35	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	20 Jul 2017	MD6_SW_200717	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.11*	0.06	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	12 Apr 2018	MD6_SW_12042018	Normal	Region 1	NSW_0908_PFAS	0.02	*0.26*	0.16	0.42	0.49	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	06 Dec 2018	0908_MD6_SW_181206	Normal	Region 1	NSW_0908_PFAS	0.02	*0.83*	0.26	1.09	1.24	<0.02	0.02	<0.02	<0.02	<0.1	0.03	0.06	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	14 Jun 2019	0908_MD6_SW_190614	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.44*	0.13	0.57	0.57	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	05 Nov 2019	0908_MD6_SW_191105	Normal	Region 1	NSW_0908_PFASOMP	0.01	*0.11*	0.32	0.43	0.58	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	02 Jun 2020	0908_SW006_200602	Normal	Region 1	NSW_0908_PFASOMP	0.02	*2.7*	0.45	**3.15**	3.35	<0.02	0.02	<0.02	<0.02	<0.1	0.06	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	20 Nov 2020	0908_SW006_201120	Normal	Region 1	NSW_0908_PFASOMP	0.10	*8.81*	1.17	**9.98**	10.8	0.05	0.06	0.09	0.03	<0.1	0.12	0.30	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	11 May 2021	0908_SW006_210511	Normal	Region 1	NSW_0908_PFASOMP	0.16	*14.3*	1.62	**15.9**	17.0	0.06	0.10	0.14	<0.02	<0.1	0.15	0.38	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	17 Nov 2021	0908_SW006_211117	Normal	Region 1	NSW_0908_PFASOMP	0.14	*12*	1.49	**13.5**	14.5	0.06	0.07	0.10	<0.02	<0.1	0.13	0.44	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	18 May 2022	0908_SW006_220518	Normal	Region 1	NSW_0908_PFASOMP	0.12	*18.8*	1.05	**19.8**	20.8	0.04	0.06	0.14	0.05	<0.1	0.11	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	13 Jul 2022	0908_SW006_220713	Normal	Region 1	NSW_0908_PFASMGMT	0.05	*4.04*	0.47	**4.51**	4.93	0.03	0.04	0.03	<0.02	<0.1	0.04	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	08 Nov 2022	0908_SW006_221108	Normal	Region 1	NSW_0908_PFASOMP	0.07	*9.92*	0.64	**10.6**	11.1	0.03	0.05	0.07	<0.02	<0.1	0.07	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	08 May 2023	0908_SW006_230508	Normal	Region 1	NSW_0908_PFASOMP_23	0.07	*6.13*	0.64	**6.77**	7.34	0.04	0.04	0.07	<0.02	<0.1	0.07	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	24 Apr 2024	0908_SW006_240424	Normal	Region 1	NSW_0908_PFASOMP_24	<0.01	*0.81*	0.32	1.13	1.26	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW006	25 Sep 2024	0908_SW006_240925	Normal	Region 1	NSW_0908_PFASOMP_24	0.03	*1.27*	0.63	1.9	2.21	<0.02	<0.02	<0.02	<0.02	<0.1	0.08	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	13 Jan 2016	MD7_SW_1312016	Normal	Region 1	NSW_0908_PFAS	0.029	*0.852*	-	0.852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW007	15 Jan 2016	MD7_SW_15012016	Normal	Region 1	NSW_0908_PFAS	0.017	*0.299*	-	0.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW007	14 Dec 2016	MD7_SW_20161214	Normal	Region 1	NSW_0908_PFAS	0.01	*0.98*	0.36	1.34	1.51	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	02 Feb 2017	MD7_SW_020217	Normal	Region 1	NSW_0908_PFAS	<0.01	*1.26*	0.22	1.48	1.5	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	09 Feb 2017	MD7_SW_090217	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.23*	0.06	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Feb 2017	MD7_SW_16022017	Normal	Region 1	NSW_0908_PFAS	<0.05	*1.14*	0.26	1.4	1.4	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW007	02 Mar 2017	MD7_SW_020317	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.57*	0.38	0.95	0.97	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	09 Mar 2017	MD7_SW_090317	Normal	Region 1	NSW_0908_PFAS	0.01	*0.81*	0.27	1.08	1.13	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Mar 2017	MD7_SW_20170316	Normal	Region 1	NSW_0908_PFAS	<0.01	*1.12*	0.44	1.56	1.68	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	23 Mar 2017	MD7_SW_230317	Normal	Region 1	NSW_0908_PFAS	0.07	*8.11*	0.73	**8.84**	9.37	0.03	0.04	0.08	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	31 Mar 2017	MD7_SW_310317	Normal	Region 1	NSW_0908_PFAS	0.01	*0.79*	0.24	1.03	1.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Apr 2017	MD7_SW_050417	Normal	Region 1	NSW_0908_PFAS	0.18	*11.8*	2.91	**14.7**	16.2	0.12	0.17	0.19	<0.02	<0.1	0.12	0.67	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Apr 2017	MD7_SW_050417	Normal	Region 1	NSW_0908_PFAS	-	-	-	**14.71**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW007	04 May 2017	MD7_SW_040517	Normal	Region 1	NSW_0908_PFAS	0.34	*20.2*	4.5	**24.7**	-	0.13	0.27	0.44	<0.02	<0.1	<0.02	1.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	01 Jun 2017	MD7_SW_010617	Normal	Region 1	NSW_0908_PFAS	0.25	*3.06*	3.06	**6.12**	8.18	0.18	0.22	0.14	<0.02	<0.1	0.15	1	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Jul 2017	MD7_SW_200717	Normal	Region 1	NSW_0908_PFAS	0.21	*31.4*	4.79	**36.19**	37.5	0.09	0.15	0.28	<0.02	<0.1	0.1	0.42	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Jul 2017	MD7_SW_200717	Normal	Region 1	NSW_0908_PFAS	-	-	-	**36.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW007	12 Apr 2018	MD7_SW_12042018	Normal	Region 1	NSW_0908_PFAS	0.09	*2.64*	1.01	**3.65**	4.35	0.04	0.06	0.07	<0.02	<0.1	0.07	0.33	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Apr 2018	QC100_SW_12042018	Field_D	Region 1	NSW_0908_PFAS	0.09	*2.8*	1.03	**3.83**	4.57	0.04	0.07	0.07	<0.02	<0.1	0.08	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Apr 2018	QC200_SW_12042018	Interlab_D	Region 1	NSW_0908_PFAS	0.067	*2.6*	0.96	**3.56**	-	0.044	0.064	0.048	<0.01	0.052	0.065	0.27	0.037	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW007	06 Dec 2018	0908_MD7_SW_181206	Normal	Region 1	NSW_0908_PFAS	0.11	*7.34*	1.35	**8.69**	9.46	0.06	0.09	0.1	<0.02	<0.1	0.08	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																										
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																														
SW007	14 Jun 2019	0908_MD7_SW_190614	Normal	Region 1	NSW_0908_PFAS	<0.01	*2.67*	0.32	**2.99**	3.1	0.02	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Nov 2019	0908_MD7_SW_191105	Normal	Region 1	NSW_0908_PFASOMP	0.06	*4.92*	0.42	**5.34**	5.94	<0.02	0.03	0.04	<0.02	<0.1	0.12	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	02 Jun 2020	0908_SW007_200602	Normal	Region 1	NSW_0908_PFASOMP	0.44	*23.3*	3.67	**27**	30.4	0.13	0.21	0.30	<0.02	0.2	0.46	1.22	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.21	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	20 Nov 2020	0908_SW007_201120	Normal	Region 1	NSW_0908_PFASOMP	0.26	*19.9*	2.13	**22**	23.6	0.08	0.11	0.21	<0.02	<0.1	0.25	0.54	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	18 Dec 2020	0908_SW007_201218	Normal	Region 1	NSW_0908_PFASOMP	0.06	*5.06*	0.44	**5.5**	5.81	<0.02	0.02	0.04	<0.02	<0.1	0.05	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211650	Normal	Region 1	NSW_0908_PFASOMP	0.04	*4.62*	0.25	**4.87**	5.12	0.03	<0.02	0.03	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211750	Normal	Region 1	NSW_0908_PFASOMP	0.04	*4.1*	0.25	**4.35**	4.60	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211850	Normal	Region 1	NSW_0908_PFASOMP	0.04	*3.73*	0.27	**4**	4.23	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012211950	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.96*	0.12	**2.08**	2.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212050	Normal	Region 1	NSW_0908_PFASOMP	0.01	*1.43*	0.1	1.53	1.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212150	Normal	Region 1	NSW_0908_PFASOMP	0.01	*1.43*	0.1	1.53	1.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212250	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.7*	0.14	1.84	2.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Dec 2020	0908_SW007_2012212350	Normal	Region 1	NSW_0908_PFASOMP	0.02	*2.09*	0.2	**2.29**	2.57	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220050	Normal	Region 1	NSW_0908_PFASOMP	0.03	*2.62*	0.23	**2.85**	3.16	<0.02	<0.02	0.02	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220150	Normal	Region 1	NSW_0908_PFASOMP	0.02	*2.24*	0.21	**2.45**	2.69	<0.02	<0.02	0.02	<0.02	<0.1	0.03	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220250	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.9*	0.16	**2.06**	2.23	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220350	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.65*	0.12	1.77	1.83	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220450	Normal	Region 1	NSW_0908_PFASOMP	0.01	*1.28*	0.1	1.38	1.42	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220550	Normal	Region 1	NSW_0908_PFASOMP	0.01	*1.22*	0.1	1.32	1.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220650	Normal	Region 1	NSW_0908_PFASOMP	0.01	*1.43*	0.13	1.56	1.61	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220750	Normal	Region 1	NSW_0908_PFASOMP	0.02	*1.74*	0.16	1.9	2.05	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220850	Normal	Region 1	NSW_0908_PFASOMP	0.02	*2.37*	0.23	**2.6**	2.78	<0.02	<0.02	0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012220950	Normal	Region 1	NSW_0908_PFASOMP	0.03	*2.74*	0.26	**3**	3.24	<0.02	<0.02	0.03	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221050	Normal	Region 1	NSW_0908_PFASOMP	0.04	*2.94*	0.32	**3.26**	3.54	<0.02	<0.02	0.03	<0.02	<0.1	0.04	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221150	Normal	Region 1	NSW_0908_PFASOMP	0.04	*3.37*	0.36	**3.73**	4.08	<0.02	0.02	0.04	<0.02	<0.1	0.04	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221250	Normal	Region 1	NSW_0908_PFASOMP	0.05	*3.66*	0.42	**4.08**	4.47	<0.02	0.03	0.04	<0.02	<0.1	0.05	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	22 Dec 2020	0908_SW007_2012221350	Normal	Region 1	NSW_0908_PFASOMP	0.06	*4.76*	0.53	**5.29**	5.77	0.02	0.03	0.05	<0.02	<0.1	0.06	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_QC103_210129	Field_D	Region 1	NSW_0908_PFASOMP	0.11	*9.64*	1.16	**10.8**	11.5	0.04	0.07	0.10	<0.02	<0.1	0.08	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_QC203_210129	Interlab_D	Region 1	NSW_0908_PFASOMP	0.094	*7.2*	0.94	**8.14**	-	0.033	0.051	0.061	<0.01	0.057	0.09	0.21	0.044	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05	<0.05
SW007	29 Jan 2021	0908_SW007_210129	Normal	Region 1	NSW_0908_PFASOMP	0.10	*7.3*	0.86	**8.16**	8.73	0.03	0.05	0.07	<0.02	<0.1	0.09	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291400	Normal	Region 1	NSW_0908_PFASOMP	0.13	*9.76*	1.35	**11.1**	12.0	0.05	0.08	0.14	<0.02	<0.1	0.10	0.30	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291500	Normal	Region 1	NSW_0908_PFASOMP	0.12	*9.88*	1.22	**11.1**	11.9	<0.02	0.07	0.12	<0.02	<0.1	0.15	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291600	Normal	Region 1	NSW_0908_PFASOMP	0.12	*10.2*	1.08	**11.3**	12.0	0.02	0.06	0.12	<0.02	<0.1	0.06	0.24	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291700	Normal	Region 1	NSW_0908_PFASOMP	0.10	*8.36*	0.89	**9.25**	9.79	<0.02	0.05	0.10	<0.02	<0.1	0.05	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291800	Normal	Region 1	NSW_0908_PFASOMP	0.08	*6.9*	0.67	**7.57**	8.10	<0.02	0.03	0.08	<0.02	<0.1	0.04	0.27	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101291900	Normal	Region 1	NSW_0908_PFASOMP	0.06	*6.07*	0.54	**6.61**	6.95	<0.02	0.03	0.05	<0.02	<0.1	0.05	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292000	Normal	Region 1	NSW_0908_PFASOMP	0.07	*5.58*	0.59	**6.17**	6.56	<0.02	0.03	0.06	<0.02	<0.1	0.06	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292100	Normal	Region 1	NSW_0908_PFASOMP	0.06	*5.83*	0.6	**6.43**	6.80	0.02	0.03	0.06	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292200	Normal	Region 1	NSW_0908_PFASOMP	0.06	*5.52*	0.53	**6.05**	6.40	<0.02	0.03	0.06	<0.02	<0.1	0.05	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	29 Jan 2021	0908_SW007_2101292300	Normal	Region 1	NSW_0908_PFASOMP	0.04	*4.13*	0.44	**4.57**	4.81	<0.02	0.02	0.04	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300000	Normal	Region 1	NSW_0908_PFASOMP	0.06	*5.13*	0.61	**5.74**	6.17	<0.02	0.03	0.06	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300100	Normal	Region 1	NSW_0908_PFASOMP	0.06	*6.23*	0.67	**6.9**	7.32	<0.02	0.04	0.06	<0.02	<0.1	0.08	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300200	Normal	Region 1	NSW_0908_PFASOMP	0.07	*6.14*	0.72	**6.86**	7.40	<0.02	0.04	0.07	<0.02	<0.1	0.06	0.27	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300300	Normal	Region 1	NSW_0908_PFASOMP	0.09	*7.16*	0.86	**8.02**	8.65	0.02	0.05	0.08	<0.02	<0.1	0.04	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300400	Normal	Region 1	NSW_0908_PFASOMP	0.09	*6.78*	0.85	**7.63**	8.21	<0.02	0.04	0.08	<0.02	<0.1	0.04	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300500	Normal	Region 1	NSW_0908_PFASOMP	0.09	*7.36*	0.95	**8.31**	9.04	0.02	0.06	0.09	<0.02	<0.1	0.08	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300600	Normal	Region 1	NSW_0908_PFASOMP	0.09	*7.7*	0.88	**8.58**	9.23	0.03	0.05	0.09	<0.02	<0.1	0.04	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300700	Normal	Region 1	NSW_0908_PFASOMP	0.09	*7.49*	0.87	**8.36**	8.88	<0.02	0.05	0.08	<0.02	<0.1	0.07	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300800	Normal	Region 1	NSW_0908_PFASOMP	0.10	*7.66*	0.95	**8.61**	9.20	0.03	0.05	0.09	<0.02	<0.1	0.07	0.21	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101300900	Normal	Region 1	NSW_0908_PFASOMP	0.10	*8.38*	1	**9.38**	10.0	0.03	0.06	0.09	<0.02	<0.1	0.07	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301000	Normal	Region 1	NSW_0908_PFASOMP	0.12	*8.56*	1.11	**9.67**	10.4	0.04	0.06	0.10	<0.02	<0.1	0.08	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301100	Normal	Region 1	NSW_0908_PFASOMP	0.10	*8.43*	1.02	**9.45**	10.1	0.04	0.06	0.09	<0.02	<0.1	0.08	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jan 2021	0908_SW007_2101301200	Normal	Region 1	NSW_0908_PFASOMP	0.11	*8.6*	1.13	**9.73**	10.4	0.04	0.07	0.10	<0.02	<0.1	0.09	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	19 Feb 2021	0908_SW007_210219	Normal	Region 1	NSW_0908_PFASOMP	0.03	*3.07*	0.22	**3.29**	3.43	<0.02	<0.02	0.02	<0.02	<0.1	0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	26 Mar 2021	0908_SW007_210326	Normal	Region 1	NSW_0908_PFASOMP	0.12	*9.48*	1.3	**10.8**	11.7	0.05	0.08	0.08	<0.02	<0.1	0.12	0.33	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	23 Apr 2021	0908_SW007_210423	Normal	Region 1	NSW_0908_PFASOMP	0.16	*10.3*	1.62	**11.9**	13.0	0.07	0.11	0.14	<0.02	<0.1	0.13	0.36	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	11 May 2021	0908_SW007_210511	Normal	Region 1	NSW_0908_PFASOMP	0.15	*10.3*	1.5	**11.8**	12.8	0.07	0.09	0.14	<0.02	<0.1	0.13	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Jun 2021	0908_SW007_210625	Normal	Region 1	NSW_0908_PFASOMP	0.15	*15.7*	1.55	**17.2**	18.2	0.05	0.10	0.15	<0.02	<0.1	0.12	0.32	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	30 Jul 2021	0908_SW007_210730	Normal	Region 1	NSW_0908_PFASOMP	0.20	*18.2*	1.81	**20**	21.2	0.07	0.10	0.16	<0.02	<0.1	0.16	0.46	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																												

Location Code	Date	Field ID	Sample Type	Region	Project ID																											
SW007	20 Aug 2021	0908_SW007_210820	Normal	Region 1	NSW_0908_PFASOMP	0.13	*11.9*	1.09	**13**	13.9	0.04	0.06	0.10	<0.02	<0.1	0.20	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	27 Sep 2021	0908_QC100_210927	Field_D	Region 1	NSW_0908_PFASOMP	0.06	*6.71*	0.55	**7.26**	7.62	<0.02	0.03	0.05	<0.02	<0.1	0.04	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	27 Sep 2021	0908_QC200_210927	Interlab_D	Region 1	NSW_0908_PFASOMP	0.057	*6.1*	0.55	**6.65**	-	0.019	0.029	0.04	<0.01	<0.05	0.048	0.13	0.025	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.021	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01	<0.01	<0.02	<0.05
SW007	27 Sep 2021	0908_SW007_210927	Normal	Region 1	NSW_0908_PFASOMP	0.06	*6.82*	0.58	**7.4**	7.75	0.02	0.03	0.04	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Oct 2021	0908_QC100_211025	Field_D	Region 1	NSW_0908_PFASOMP	0.07	*11.7*	0.59	**12.3**	12.7	0.02	0.04	0.06	<0.02	<0.1	0.06	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Oct 2021	0908_QC200_211025	Interlab_D	Region 1	NSW_0908_PFASOMP	0.09	*15*	0.67	**16**	16	0.02	0.04	0.09	<0.02	0.07	0.07	0.18	0.04	0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW007	25 Oct 2021	0908_SW007_211025	Normal	Region 1	NSW_0908_PFASOMP	0.07	*12.4*	0.63	**13**	13.5	0.02	0.04	0.06	<0.02	<0.1	0.07	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Nov 2021	0908_QC116_211116	Field_D	Region 1	NSW_0908_PFASOMP	0.16	*10.5*	1.35	**11.8**	12.9	0.07	0.08	0.10	<0.02	<0.1	0.12	0.42	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	16 Nov 2021	0908_SW007_211116	Normal	Region 1	NSW_0908_PFASOMP	0.16	*12.8*	1.54	**14.3**	15.5	0.08	0.09	0.12	<0.02	<0.1	0.13	0.48	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	18 May 2022	0908_SW007_220518	Normal	Region 1	NSW_0908_PFASOMP	0.11	*11.2*	1	**12.2**	13.0	0.04	0.06	0.11	<0.02	<0.1	0.09	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	13 Jul 2022	0908_SW007_220713	Normal	Region 1	NSW_0908_PFASMGMT	0.07	*6.32*	0.65	**6.97**	7.55	0.04	0.05	0.04	<0.02	<0.1	0.06	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Aug 2022	0908_QC101_220812	Field_D	Region 1	NSW_0908_PFASMGMT	0.07	*7.24*	0.85	**8.09**	8.60	0.04	0.06	0.06	<0.02	<0.1	0.06	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	12 Aug 2022	0908_SW007_220812	Normal	Region 1	NSW_0908_PFASMGMT	0.06	*7.43*	0.8	**8.23**	8.74	0.05	0.06	0.05	<0.02	<0.1	0.06	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	08 Nov 2022	0908_SW007_221108	Normal	Region 1	NSW_0908_PFASOMP	0.11	*13.9*	0.95	**14.8**	15.6	0.04	0.07	0.11	<0.02	<0.1	0.08	0.33	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	08 May 2023	0908_SW007_230508	Normal	Region 1	NSW_0908_PFASOMP_23	0.07	*7.27*	0.66	**7.93**	8.52	0.03	0.04	0.07	<0.02	<0.1	0.07	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	21 Nov 2023	0908_SW007_231121	Normal	Region 1	NSW_0908_PFASOMP_23	<0.01	*0.47*	0.06	0.53	0.58	<0.02	<0.02	<0.02	<0.02	<0.1	0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	24 Apr 2024	0908_SW007_240424	Normal	Region 1	NSW_0908_PFASOMP_24	0.16	*13*	1.57	**14.6**	16.0	0.05	0.11	0.21	<0.02	<0.1	0.16	0.58	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	05 Sep 2024	0908_SW007_240905	Normal	Region 1	NSW_0908_PFASMGMT_24	0.05	*2.32*	0.64	**2.96**	3.36	0.05	0.08	0.07	<0.02	<0.1	0.03	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW007	25 Sep 2024	0908_SW007_240925	Normal	Region 1	NSW_0908_PFASOMP_24	0.05	*4.85*	0.7	**5.55**	5.85	<0.02	0.03	0.04	<0.02	<0.1	0.04	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Jan 2016	MD8_SW_28012016	Normal	Region 1	NSW_0908_PFAS	0.06	*2.2*	-	**2.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
SW009	14 Dec 2016	MD8_SW_20161214	Normal	Region 1	NSW_0908_PFAS	0.11	*3.84*	2.1	**5.94**	6.82	0.13	0.14	0.2	<0.02	<0.1	0.04	0.2	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Mar 2017	MD8_SW_230317	Normal	Region 1	NSW_0908_PFAS	0.02	*0.91*	0.18	1.09	1.17	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	01 May 2018	MD8_SW_01052018	Normal	Region 1	NSW_0908_PFAS	0.05	*1.26*	0.56	1.82	2.2	0.05	0.06	0.04	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	07 Dec 2018	0908_MD8_SW_181207	Normal	Region 1	NSW_0908_PFAS	0.07	*2.2*	1.01	**3.21**	3.84	0.1	0.1	0.1	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	13 Jun 2019	0908_MD8_SW_190613	Normal	Region 1	NSW_0908_PFAS	0.03	*0.69*	0.66	1.35	1.68	0.07	0.09	<0.02	<0.02	<0.1	<0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	06 Nov 2019	0908_MD8_SW_191106	Normal	Region 1	NSW_0908_PFASOMP	0.05	*2.68*	0.62	**3.3**	4.00	0.05	0.07	0.04	<0.02	<0.1	0.08	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	24 Jun 2020	0908_SW009_200624	Normal	Region 1	NSW_0908_PFASOMP	0.08	*2.22*	1.2	**3.42**	4.19	0.12	0.12	0.12	<0.02	<0.1	0.06	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	04 Dec 2020	0908_SW009_201204	Normal	Region 1	NSW_0908_PFASOMP	0.07	*4.09*	0.93	**5.02**	5.60	0.06	0.09	0.09	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	11 May 2021	0908_SW009_210511	Normal	Region 1	NSW_0908_PFASOMP	0.08	*4.72*	1.05	**5.77**	6.43	0.08	0.08	0.07	<0.02	<0.1	0.08	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	17 Nov 2021	0908_SW009_211117	Normal	Region 1	NSW_0908_PFASOMP	0.06	*2.23*	0.79	**3.02**	3.50	0.06	0.06	0.08	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	17 May 2022	0908_SW009_220517	Normal	Region 1	NSW_0908_PFASOMP	0.08	*7.95*	0.82	**8.77**	9.36	0.04	0.06	0.08	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 Nov 2022	0908_SW009_221108	Normal	Region 1	NSW_0908_PFASOMP	0.05	*2.45*	0.58	**3.03**	3.42	0.04	0.06	0.05	<0.02	<0.1	0.03	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 May 2023	0908_QC102_230508	Field_D	Region 1	NSW_0908_PFASOMP_23	0.07	*4.38*	0.93	**5.31**	5.92	0.06	0.08	0.08	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	08 May 2023	0908_QC202_230508	Interlab_D	Region 1	NSW_0908_PFASOMP_23	0.06	*3.9*	1.1	**4.9**	5.5	0.05	0.08	0.07	<0.02	<0.02	0.06	0.23	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	08 May 2023	0908_SW009_230508	Normal	Region 1	NSW_0908_PFASOMP_23	0.08	*4.36*	0.83	**5.19**	5.84	0.06	0.09	0.08	<0.02	<0.1	0.06	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Nov 2023	0908_QC111_231128	Field_D	Region 1	NSW_0908_PFASOMP_23	0.05	*0.96*	0.62	1.58	1.87	0.03	0.03	0.06	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	28 Nov 2023	0908_QC211_231128	Interlab_D	Region 1	NSW_0908_PFASOMP_23	0.05	*0.9*	0.68	1.6	1.9	0.03	0.05	0.08	<0.02	<0.02	0.03	0.1	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	28 Nov 2023	0908_SW009_231128	Normal	Region 1	NSW_0908_PFASOMP_23	0.05	*0.96*	0.58	1.54	1.83	0.03	0.03	0.06	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	22 Apr 2024	0908_QC112_240422	Field_D	Region 1	NSW_0908_PFASOMP_24	0.03	*1.42*	0.36	1.78	1.96	<0.02	0.03	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	22 Apr 2024	0908_QC212_240422	Interlab_D	Region 1	NSW_0908_PFASOMP_24	0.04	*1.5*	0.44	1.9	2.2	0.02	0.03	0.04	<0.02	<0.02	0.03	0.10	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	22 Apr 2024	0908_SW009_240422	Normal	Region 1	NSW_0908_PFASOMP_24	0.03	*1.53*	0.39	1.92	2.12	<0.02	0.03	0.04	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Sep 2024	0908_QC104_240923	Field_D	Region 1	NSW_0908_PFASOMP_24	0.05	*1.46*	0.61	**2.07**	2.39	0.03	0.04	0.07	<0.02	<0.1	0.03	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW009	23 Sep 2024	0908_QC204_240923	Interlab_D	Region 1	NSW_0908_PFASOMP_24	0.04	*1.5*	0.62	**2.1**	2.4	0.03	0.04	0.08	<0.02	<0.02	0.02	0.08	0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW009	23 Sep 2024	0908_SW009_240923	Normal	Region 1	NSW_0908_PFASOMP_24	0.04	*1.56*	0.58	**2.14**	2.40	0.02	0.04	0.04	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	12 Feb 2016	MD10_SW_12022016	Normal	Region 1	NSW_0908_PFAS	0.06	*1.38*	1.4	**2.78**	4.28	0.11	0.12	0.1	<0.02	<0.1	0.05	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	12 Feb 2016	QC103_SW_12022016	Field_D	Region 1	NSW_0908_PFAS	0.05	*1.34*	1.38	**2.72**	4.33	0.11	0.12	0.1	<0.02	<0.1	0.04	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	23 Mar 2017	MD10_SW_230317	Normal	Region 1	NSW_0908_PFAS	0.04	*1.17*	0.54	1.71	1.98	0.04	0.04	0.05	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	07 Dec 2018	0908_MD10_SW_181207	Normal	Region 1	NSW_0908_PFAS	0.03	*0.82*	0.43	1.25	1.53	0.04	0.05	0.04	<0.02	<0.1	0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	13 Jun 2019	0908_MD10_SW_190613	Normal	Region 1	NSW_0908_PFAS	<0.01	*0.26*	0.28	0.54	0.59	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	06 Oct 2019	0908_MD10_SW_191106	Normal	Region 1	NSW_0908_PFASOMP	0.04	*1.11*	0.66	1.77	2.36	0.07	0.08	0.04	<0.02	<0.1	0.10	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	19 Jun 2020	0908_SW011_200619	Normal	Region 1	NSW_0908_PFASOMP	0.08	*3.31*	1.01	**4.32**	5.13	0.09	0.11	0.10	<0.02	0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	04 Dec 2020	0908_QC108_201204	Field_D	Region 1	NSW_0908_PFASOMP	0.05	*2.14*	0.73	**2.87**	3.28	0.06	0.07	0.07	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	04 Dec 2020	0908_QC208_201204	Interlab_D	Region 1	NSW_0908_PFASOMP	0.044	*2.4*	0.78	**3.18**	-	0.053	0.06	0.047	<0.01	<0.05	0.037	0.13	0.022	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01	<0.01	<0.02	<0.05
SW011	04 Dec 2020	0908_SW011_201204	Normal	Region 1	NSW_0908_PFASOMP	0.05	*2.19*	0.7	**2.89**	3.28	0.05	0.07	0.06	<0.02	<0.1	0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	26 May 2021	0908_SW011_210526	Normal	Region 1	NSW_0908_PFASOMP	0.03	*1.41*	0.45	1.86	2.08	0.03	0.04	0.04	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	11 May 2023	0908_SW011_230511	Normal	Region 1	NSW_0908_PFASOMP_23	0.05	*2.96*	0.58	**3.54**	3.86	0.03	0.04	0.05	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	27 Nov 2023	0908_SW011_231127	Normal	Region 1	NSW_0908_PFASOMP_23	0.02	*0.48*	0.2	0.68	0.75	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	23 Apr 2024	0908_SW011_240423	Normal	Region 1	NSW_0908_PFASOMP_24	0.01	*0.8*	0.6	1.4	1.52	0.02	0.05	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW011	26 Sep 2024	0908_SW011_240926	Normal	Region 1	NSW_0908_PFASOMP_24	0.03	*1.4*	0.44	1.84	2.01	<0.02	0.03	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							10			2																										
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																												
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																																
SW014	20 Dec 2016	MD14_SW_161220	Normal	Region 1	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	18 Apr 2018	MD14_SW_18042018	Normal	Region 1	NSW_0908_PFAS		<0.01	*0.14*	<0.02	0.16	0.14	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	18 Apr 2018	MD14_SW_18042018	Normal	Region 1	NSW_0908_PFAS		-	-	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW014	06 Dec 2018	0908_MD14_SW_181206	Normal	Region 1	NSW_0908_PFAS		0.02	*0.45*	0.21	0.66	0.76	<0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_MD14_SW_190613	Normal	Region 1	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_QC120_190613	Field_D	Region 1	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	13 Jun 2019	0908_QC220_190613	Interlab_D	Region 1	NSW_0908_PFAS		<0.01	<0.02	0.011	0.031	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW014	05 Nov 2019	0908_MD14_SW_191105	Normal	Region 1	NSW_0908_PFASOMP		<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	04 Jun 2020	0908_SW014_200604	Normal	Region 1	NSW_0908_PFASOMP		0.03	*1.32*	0.62	1.94	2.32	0.06	0.07	0.05	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	26 Nov 2020	0908_QC110_201126	Field_D	Region 1	NSW_0908_PFASOMP		0.06	*2.93*	0.79	**3.72**	4.19	0.06	0.07	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	26 Nov 2020	0908_QC210_201126	Interlab_D	Region 1	NSW_0908_PFASOMP		0.053	*2.5*	0.74	**3.24**	-	0.054	0.059	0.049	<0.01	<0.05	0.042	0.14	0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW014	26 Nov 2020	0908_SW014_201126	Normal	Region 1	NSW_0908_PFASOMP		0.06	*3.24*	0.77	**4.01**	4.50	0.06	0.07	0.06	<0.02	<0.1	0.05	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	11 May 2021	0908_SW014_210511	Normal	Region 1	NSW_0908_PFASOMP		0.01	*0.61*	0.2	0.81	0.86	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	17 Nov 2021	0908_SW014_211117	Normal	Region 1	NSW_0908_PFASOMP		0.02	*0.91*	0.34	1.25	1.46	0.06	0.02	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	16 May 2022	0908_QC201_220516	Interlab_D	Region 1	NSW_0908_PFASOMP		0.02	*0.96*	0.22	1.2	1.3	0.03	0.02	0.02	<0.02	<0.02	<0.02	0.05	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW014	16 May 2022	0908_SW014_220516	Normal	Region 1	NSW_0908_PFASOMP		0.02	*1*	0.22	1.22	1.33	<0.02	0.02	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	07 Nov 2022	0908_SW014_221107	Normal	Region 1	NSW_0908_PFASOMP		0.02	*1.14*	0.26	1.4	1.55	0.02	0.02	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	09 May 2023	0908_QC107_230509	Field_D	Region 1	NSW_0908_PFASOMP_23		0.03	*1.36*	0.42	1.78	2.01	0.02	0.03	0.04	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	09 May 2023	0908_SW014_230509	Normal	Region 1	NSW_0908_PFASOMP_23		0.03	*1.47*	0.39	1.86	2.11	0.03	0.03	0.04	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	21 Nov 2023	0908_SW014_231121	Normal	Region 1	NSW_0908_PFASOMP_23		<0.01	*0.03*	<0.01	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	16 Apr 2024	0908_SW014_240416	Normal	Region 1	NSW_0908_PFASOMP_24		0.02	*1.23*	0.32	1.55	1.75	<0.02	0.03	0.03	<0.02	<0.1	0.03	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW014	27 Sep 2024	0908_SW014_240927	Normal	Region 1	NSW_0908_PFASOMP_24		0.02	*0.6*	0.23	0.83	0.91	<0.02	<0.02	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	30 Jan 2017	TC12_SW_300117	Normal	Region 2	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	09 Feb 2017	TC12_SW_090217	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.27*	0.17	0.44	0.46	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	16 Feb 2017	TC12_SW_16022017	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	24 Feb 2017	TC12_SW_240217	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.17*	0.05	0.22	0.24	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	02 Mar 2017	TC12_SW_020317	Normal	Region 2	NSW_0908_PFAS		<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	09 Mar 2017	TC12_SW_090317	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	16 Mar 2017	TC12_SW_20170316	Normal	Region 2	NSW_0908_PFAS		<0.01	<0.01	0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	23 Mar 2017	TC12_SW_230317	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	30 Mar 2017	TC12_SW_300317	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.03*	0.04	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	06 Apr 2017	TC12_SW_060417	Normal	Region 2	NSW_0908_PFAS		0.02	*0.27*	0.42	0.69	0.81	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	04 May 2017	TC12_SW_040517	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.07*	0.17	0.24	-	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	01 Jun 2017	TC12_SW_010617	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.03*	0.07	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	20 Jul 2017	TC12_SW_200717	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.09*	0.3	0.39	0.49	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Apr 2018	TC12_SW_12042018	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.01*	0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	06 Dec 2018	0908_TC12_SW_181206	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.04*	0.07	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	14 Jun 2019	0908_TC12_SW_190614	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.07*	0.03	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	07 Nov 2019	0908_TC12_SW_191107	Normal	Region 2	NSW_0908_PFASOMP		<0.01	*0.03*	0.09	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	26 May 2020	0908_SW019_200526	Normal	Region 2	NSW_0908_PFASOMP		<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Nov 2020	0908_SW019_201112	Normal	Region 2	NSW_0908_PFASOMP		<0.01	*0.29*	0.35	0.64	0.78	0.03	0.03	<0.02	<0.02	<0.1	0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	10 May 2021	0908_SW019_210510	Normal	Region 2	NSW_0908_PFASOMP		0.03	*0.81*	0.62	1.43	1.73	0.04	0.05	0.04	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	12 Nov 2021	0908_SW019_211112	Normal	Region 2	NSW_0908_PFASOMP		<0.01	*0.06*	0.03	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	27 May 2022	0908_SW019_220527	Normal	Region 2	NSW_0908_PFASOMP		0.02	*0.33*	0.3	0.63	0.75	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	14 Nov 2022	0908_SW019_221114	Normal	Region 2	NSW_0908_PFASOMP		0.02	*0.74*	0.33	1.07	1.22	0.03	0.02	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	17 May 2023	0908_SW019_230517	Normal	Region 2	NSW_0908_PFASOMP_23		<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	28 Nov 2023	0908_SW019_231128	Normal	Region 2	NSW_0908_PFASOMP_23		<0.01	*0.02*	0.06	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	22 Apr 2024	0908_SW019_240422	Normal	Region 2	NSW_0908_PFASOMP_24		<0.01	*0.13*	0.15	0.28	0.30	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW019	20 Sep 2024	0908_SW019_240920	Normal	Region 2	NSW_0908_PFASOMP_24		<0.01	*0.14*	0.13	0.27	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	06 Dec 2018	0908_TC6A_SW_181206	Normal	Region 2	NSW_0908_PFAS		<0.01	*0.04*	0.05	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	05 Nov 2019	0908_TC6a_SW_191105	Normal	Region 2	NSW_0908_PFASOMP		<0.05	<0.05	0.06	0.06	0.06	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW023	04 Jun 2020	0908_SW023_200604	Normal	Region 2	NSW_0908_PFASOMP		<0.01	*0.08*	0.19	0.27	0.36	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	20 Nov 2020	0908_SW023_201120	Normal	Region 2	NSW_0908_PFASOMP		0.02	*0.5*	0.6	1.1	1.36	0.06	0.05	0.03	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	11 May 2021	0908_SW023_210511	Normal	Region 2	NSW_0908_PFASOMP		0.02	*0.28*	0.42	0.7	0.93	0.05	0.04	0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 Nov 2021	0908_QC110_211117	Field_D	Region 2	NSW_0908_PFASOMP		0.01	*0.17*	0.22	0.39	0.48	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 Nov 2021	0908_SW023_211117	Normal	Region 2	NSW_0908_PFASOMP		0.01	*0.23*	0.24	0.47	0.59	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	17 May 2022	0908_SW023_220517	Normal	Region 2	NSW_0908_PFASOMP		0.02	*0.32*	0.3	0.62	0.75	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	08 Nov 2022	0908_SW023_221108	Normal	Region 2	NSW_0908_PFASOMP		0.02	*0.36*	0.23	0.59	0.69	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	09 May 2023	0908_SW023_230509	Normal	Region 2	NSW_0908_PFASOMP_23		<0.01	*0.06*	0.1	0.16	0.18	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	10			2																										
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																												

Location Code	Date	Field ID	Sample Type	Region	Project ID																											
SW023	20 Nov 2023	0908_SW023_231120	Normal	Region 2	NSW_0908_PFASOMP_23	<0.01	*0.03*	0.06	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	16 Apr 2024	0908_SW023_240416	Normal	Region 2	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.08	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW023	27 Sep 2024	0908_SW023_240927	Normal	Region 2	NSW_0908_PFASOMP_24	<0.01	*0.18*	0.07	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	21 Jan 2016	TC7_SW_21012016	Normal	Region 2	NSW_0908_PFAS	<0.01	*0.39*	-	0.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-	-
SW024	14 Dec 2016	TC7_SW_20161214	Normal	Region 2	NSW_0908_PFAS	<0.05	*0.08*	0.1	0.18	0.25	<0.05	0.07	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW024	06 Dec 2018	0908_TC7_SW_181206	Normal	Region 2	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	Region 2	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	13 Jun 2019	0908_TC7_SW_190613	Normal	Region 2	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW024	05 Nov 2019	0908_TC7_SW_191105	Normal	Region 2	NSW_0908_PFASOMP	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW024	04 Jun 2020	0908_SW024_200604	Normal	Region 2	NSW_0908_PFASOMP	0.01	*0.1*	0.17	0.27	0.37	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Nov 2020	0908_SW024_201120	Normal	Region 2	NSW_0908_PFASOMP	0.01	*0.32*	0.32	0.64	0.76	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	18 Dec 2020	0908_SW024_201218	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.05	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220740	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.05	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220840	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.11*	0.07	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012220940	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.11*	0.09	0.2	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221040	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.1*	0.07	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221140	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.06	0.13	0.13	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221240	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.12*	0.09	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221340	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.12*	0.08	0.2	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221440	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.09*	0.06	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221540	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.09*	0.06	0.15	0.15	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221640	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221740	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.09*	0.08	0.17	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221840	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.1*	0.08	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012221940	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222040	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.05*	0.03	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222140	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222240	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.05	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	22 Dec 2020	0908_SW024_2012222340	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230040	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230140	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230240	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230340	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230440	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230540	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.04	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Dec 2020	0908_SW024_2012230640	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.05	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_QC100_210129	Field_D	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.1	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_QC200_210129	Interlab_D	Region 2	NSW_0908_PFASOMP	<0.01	*0.047*	0.079	0.126	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW024	29 Jan 2021	0908_SW024_210129	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291630	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.09	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291730	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.05*	0.09	0.14	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291830	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101291930	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292030	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292130	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292230	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	29 Jan 2021	0908_SW024_2101292330	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.1	0.16	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300030	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.06*	0.09	0.15	0.17	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300130	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300230	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.1	0.17	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300330	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300430	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.04*	0.04	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300530	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.11*	0.14	0.25	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300630	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.12	0.2	0.22	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300730	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300830	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101300930	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301030	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301130	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																													
SW024	30 Jan 2021	0908_SW024_2101301230	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.1*	0.15	0.25	0.28	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301330	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.08*	0.11	0.19	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301430	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.1*	0.14	0.24	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jan 2021	0908_SW024_2101301530	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.11	0.18	0.20	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	19 Feb 2021	0908_SW024_210219	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.16*	0.2	0.36	0.40	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	26 Mar 2021	0908_SW024_210326	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.21*	0.12	0.33	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	23 Apr 2021	0908_SW024_210423	Normal	Region 2	NSW_0908_PFASOMP	0.02	*0.28*	0.3	0.58	0.71	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	11 May 2021	0908_SW024_210511	Normal	Region 2	NSW_0908_PFASOMP	0.02	*0.24*	0.31	0.55	0.70	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	25 Jun 2021	0908_SW024_210625	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.14*	0.18	0.32	0.36	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	30 Jul 2021	0908_SW024_210730	Normal	Region 2	NSW_0908_PFASOMP	0.01	*0.2*	0.24	0.44	0.52	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Aug 2021	0908_SW024_210820	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.09*	0.07	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	27 Sep 2021	0908_SW024_210927	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*1.32*	0.15	1.47	1.50	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	25 Oct 2021	0908_SW024_211025	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.13*	0.08	0.21	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	17 Nov 2021	0908_QC210_211117	Interlab_D	Region 2	NSW_0908_PFASOMP	<0.01	*0.07*	0.12	0.19	0.21	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
SW024	17 Nov 2021	0908_SW024_211117	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.1*	0.12	0.22	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	16 May 2022	0908_SW024_220516	Normal	Region 2	NSW_0908_PFASOMP	0.01	*0.24*	0.23	0.47	0.55	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	08 Nov 2022	0908_SW024_221108	Normal	Region 2	NSW_0908_PFASOMP	<0.01	*0.27*	0.12	0.39	0.42	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	09 May 2023	0908_SW024_230509	Normal	Region 2	NSW_0908_PFASOMP_23	<0.01	*0.06*	0.05	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	20 Nov 2023	0908_SW024_231120	Normal	Region 2	NSW_0908_PFASOMP_23	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	16 Apr 2024	0908_SW024_240416	Normal	Region 2	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.04	0.09	0.09	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW024	27 Sep 2024	0908_SW024_240927	Normal	Region 2	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.05	0.1	0.10	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	17 Nov 2014	BD03_SW01_171114	Normal	-	NSW_0908_PFAS	0.25	*17*	2.2	**19.2**	-	0.16	-	-	<0.01	-	<0.01	0.34	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW047	17 Nov 2014	QC101_SW_171114	Interlab_D	-	NSW_0908_PFAS	0.29	*16*	2.1	**18.1**	-	0.13	-	-	<0.01	-	<0.01	0.41	0.09	0.02	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW047	14 Jan 2016	BD03_SW_1412016	Normal	-	NSW_0908_PFAS	0.9	*31.6*	5.16	**36.76**	-	0.249	-	-	<0.005	-	-	1.74	0.125	0.01	0.007	<0.005	<0.005	<0.005	<0.05	-	0.02	<0.01	-	0.007	<0.05	-	<0.1	<0.005	-	<0.1
SW047	14 Sep 2016	BD03_140916	Normal	-	NSW_0908_PFAS	0.15	*17*	1.3	**18.3**	-	0.1	0.13	0.17	<0.01	<0.5	0.047	0.27	0.04	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.013	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
SW047	16 Dec 2016	BD03_SW_161216	Normal	-	NSW_0908_PFAS	0.03	*2.27*	0.26	**2.53**	2.63	<0.02	0.03	0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	03 Feb 2017	BD03_SW_030217	Normal	-	NSW_0908_PFAS	0.05	*2.8*	0.52	**3.32**	3.51	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Feb 2017	BD03_SW_100217	Normal	-	NSW_0908_PFAS	<0.05	*2.16*	0.91	**3.07**	3.29	<0.05	0.08	0.06	<0.05	<0.2	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW047	17 Feb 2017	BD03_SW_17022017	Normal	-	NSW_0908_PFAS	0.04	*1.68*	0.64	**2.32**	2.58	0.04	0.05	0.02	<0.02	<0.1	0.03	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	BD03_SW_240217	Normal	-	NSW_0908_PFAS	0.05	*2.16*	0.65	**2.81**	3.14	0.05	0.05	0.04	<0.02	<0.1	0.04	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	QC409_SW_240217	Field_D	-	NSW_0908_PFAS	0.06	*2.65*	0.77	**3.42**	3.8	0.05	0.06	0.05	<0.02	<0.1	0.04	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Feb 2017	QC508_SW_24022017	Interlab_D	-	NSW_0908_PFAS	<0.02	*1.2*	0.28	1.48	-	0.017	-	-	<0.02	<0.05	<0.02	0.053	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW047	03 Mar 2017	BD03_SW_030317	Normal	-	NSW_0908_PFAS	0.03	*1.65*	0.28	1.93	1.99	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Mar 2017	BD03_SW_100317	Normal	-	NSW_0908_PFAS	0.06	*1.78*	0.79	**2.57**	2.89	0.04	0.06	0.03	<0.02	<0.1	<0.02	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	17 Mar 2017	BD03_SW_20170317	Normal	-	NSW_0908_PFAS	0.06	*3.45*	1.12	**4.57**	4.99	0.04	0.06	0.05	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 Mar 2017	BD03_SW_220317	Normal	-	NSW_0908_PFAS	0.06	*1.73*	0.98	**2.71**	3.18	0.07	0.08	0.04	<0.02	<0.1	0.03	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	31 Mar 2017	BD03_SW_310317	Normal	-	NSW_0908_PFAS	0.09	*4.62*	1	**5.62**	6.22	0.05	0.08	0.06	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	07 Apr 2017	BD03_SW_070417	Normal	-	NSW_0908_PFAS	0.12	*3.59*	1.74	**5.33**	6.18	0.12	0.13	0.07	<0.02	<0.1	0.11	0.24	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	BD03_SW_050517	Normal	-	NSW_0908_PFAS	0.08	*3.28*	1.53	**4.81**	-	0.11	0.17	0.1	<0.02	<0.1	<0.02	0.34	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.29	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	QC417_050517	Field_D	-	NSW_0908_PFAS	0.07	*2.62*	1.43	**4.05**	-	0.12	0.14	0.08	<0.02	<0.1	<0.02	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	05 May 2017	QC_516_050517	Field_D	-	NSW_0908_PFAS	0.061	*1.6*	0.93	**2.53**	-	0.093	-	-	<0.02	0.077	0.2	0.34	0.061	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	0.19	<0.05	-	<0.02	-	-	-	-	-	-
SW047	02 Jun 2017	BD03_SW_020617	Normal	-	NSW_0908_PFAS	0.04	*1.77*	1.01	**2.78**	3.82	0.09	0.1	0.06	<0.02	<0.1	0.12	0.25	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	21 Jul 2017	BD03_SW_210717	Normal	-	NSW_0908_PFAS	0.05	*2.06*	0.92	**2.98**	3.78	0.06	0.09	0.06	<0.02	<0.1	0.12	0.18	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.19	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	12 Apr 2018	BD03_SW_13042018	Normal	-	NSW_0908_PFAS	0.08	*4.95*	0.88	**5.83**	6.35	0.04	0.06	0.07	<0.02	<0.1	0.07	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	07 Dec 2018	0908_BD03_SW_181207	Normal	-	NSW_0908_PFAS	0.12	*6.69*	1.42	**8.11**	8.92	0.05	0.08	0.09	<0.02	<0.1	0.15	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	09 Apr 2019	0908_BD03_190409	Normal	-	NSW_0908_PFAS	0.12	*9.16*	1.63	**10.79**	-	0.09	0.13	0.15	<0.02	<0.1	0.08	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	09 Apr 2019	0908_QC100_190409	Field_D	-	NSW_0908_PFAS	0.12	*9.91*	1.71	**11.62**	-	0.08	0.14	0.15	<0.02	<0.1	0.08	0.36	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	14 Jun 2019	0908_BD03_SW_190614	Normal	-	NSW_0908_PFAS	0.09	*3.78*	0.73	**4.51**	5.41	0.03	0.05	0.05	<0.02	<0.1	0.1	0.2	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.32	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	06 Nov 2019	0908_BD03_SW_191106	Normal	-	NSW_0908_PFASOMP	0.08	*5.12*	0.99	**6.11**	7.01	0.09	0.06	0.08	<0.02	<0.1	0.10	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.15	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	06 Nov 2019	0908_BD04_SW_191106	Normal	-	NSW_0908_PFASOMP	0.05	*0.15*	0.83	0.98	1.51	0.10	0.06	0.03	<0.02	<0.1	0.03	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	22 May 2020	0908_SW047_200522	Normal	-	NSW_0908_PFASOMP	0.04	*3.79*	0.68	**4.47**	5.13	0.05	0.06	0.05	<0.02	<0.1	0.08	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.18	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	27 Nov 2020	0908_SW047_201127	Normal	-	NSW_0908_PFASOMP	0.15	*20.6*	1.83	**22.4**	23.6	0.06	0.08	0.16	<0.02	<0.1	0.16	0.45	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	11 May 2021	0908_SW047_210511	Normal	-	NSW_0908_PFASOMP	0.08	*3.23*	1.46	**4.69**	5.43	0.08	0.11	0.07	<0.02	<0.1	0.08	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	16 Nov 2021	0908_SW047_211116	Normal	-	NSW_0908_PFASOMP	0.14	*9.14*	1.54	**10.7**	11.8	0.08	0.10	0.09	<0.02	<0.1	0.12	0.47	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	19 May 2022	0908_SW047_220519	Normal	-	NSW_0908_PFASOMP	0.11	*5.34*	0.87	**6.21**	6.82	0.03	0.06	0.06	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 Nov 2022	0908_SW047_221110	Normal	-	NSW_0908_PFASOMP	0.08	*3.93*	0.74	**4.67**	5.05	0.03	0.04	0.06	<0.02	<0.1	0.03	0.11	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 May 2023	0908_QC108_230510	Field_D	-	NSW_0908_PFASOMP_23	0.12	*10.8*	1.19	**12**	12.9	0.07	0.10	0.13	<0.02	<0.1	0.11	0.27	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	10 May 2023	0908_QC208_230510	Interlab_D	-	NSW_0908_PFASOMP_23	0.1	*8.5*	1.2	**9.7**	10	0.06	0.09	0.08	<0.02	0.04	0.08	0.23	0.06	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.08	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
SW047	10 May 2023	0908_SW047_230510	Normal	-	NSW_0908_PFASOMP_23	0.10	*8.42*	0.94	**9.36**	10.1	0.05	0.08	0.08	<0.02	<0.1	0.08	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	10			2																										
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																												

Location Code	Date	Field ID	Sample Type	Region	Project ID																											
SW047	22 Nov 2023	0908_SW047_231122	Normal	-	NSW_0908_PFASOMP_23	0.06	*3.43*	0.69	**4.12**	4.64	0.04	0.04	0.06	<0.02	<0.1	0.06	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	18 Apr 2024	0908_SW047_240418	Normal	-	NSW_0908_PFASOMP_24	0.07	*4.54*	1.08	**5.62**	6.22	0.05	0.09	0.07	<0.02	<0.1	0.08	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW047	24 Sep 2024	0908_SW047_240924	Normal	-	NSW_0908_PFASOMP_24	0.08	*4.28*	0.88	**5.16**	5.78	0.04	0.05	0.06	<0.02	<0.1	0.06	0.19	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	17 Nov 2014	BD04_SW01_171114	Normal	-	NSW_0908_PFAS	0.07	*0.05*	0.36	0.41	-	0.05	-	-	<0.01	-	<0.01	0.11	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW048	20 Nov 2015	BD04_SW_20112015	Normal	-	NSW_0908_PFAS	0.039	*0.14*	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-
SW048	20 Jan 2016	BD04_SW_20012016	Normal	-	NSW_0908_PFAS	0.02	*0.7*	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	-	-	-	-	-	-	-	-	-
SW048	16 Dec 2016	BD04_SW_161216	Normal	-	NSW_0908_PFAS	<0.01	*0.11*	0.41	0.52	0.63	0.03	0.05	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	12 Apr 2018	BD04_SW_13042018	Normal	-	NSW_0908_PFAS	0.03	*0.15*	0.68	0.83	1.23	0.06	0.07	<0.02	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	07 Dec 2018	0908_BD04_SW_181207	Normal	-	NSW_0908_PFAS	0.04	*0.13*	0.71	0.84	1.29	0.06	0.09	0.02	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	14 Jun 2019	0908_BD04_SW_190614	Normal	-	NSW_0908_PFAS	<0.01	*0.04*	0.3	0.34	0.45	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 May 2020	0908_SW048_200522	Normal	-	NSW_0908_PFASOMP	0.04	*0.24*	0.76	1	1.44	0.07	0.08	0.02	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	27 Nov 2020	0908_SW048_201127	Normal	-	NSW_0908_PFASOMP	0.05	*0.29*	1.17	1.46	2.10	0.10	0.12	0.05	<0.02	<0.1	0.04	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	11 May 2021	0908_SW048_210511	Normal	-	NSW_0908_PFASOMP	0.06	*0.22*	1.02	1.24	1.84	0.09	0.10	0.05	<0.02	<0.1	0.04	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	16 Nov 2021	0908_SW048_211116	Normal	-	NSW_0908_PFASOMP	0.06	*0.38*	1.01	1.39	2.08	0.14	0.10	0.05	<0.02	<0.1	0.04	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	19 May 2022	0908_SW048_220519	Normal	-	NSW_0908_PFASOMP	0.08	*0.44*	1.22	1.66	2.35	0.08	0.13	0.08	<0.02	<0.1	0.04	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	10 Nov 2022	0908_SW048_221110	Normal	-	NSW_0908_PFASOMP	0.05	*0.56*	0.57	1	1.56	0.10	0.13	0.04	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	10 May 2023	0908_SW048_230510	Normal	-	NSW_0908_PFASOMP_23	0.07	*0.52*	0.94	1.46	2.01	0.07	0.10	0.05	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 Nov 2023	0908_QC108_231122	Field_D	-	NSW_0908_PFASOMP_23	0.06	*0.6*	0.81	1.41	1.87	0.08	0.07	0.05	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	22 Nov 2023	0908_QC208_231122	Interlab_D	-	NSW_0908_PFASOMP_23	0.05	*0.62*	0.87	1.5	2.0	0.09	0.08	0.06	<0.02	<0.02	0.02	0.15	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5	
SW048	22 Nov 2023	0908_SW048_231122	Normal	-	NSW_0908_PFASOMP_23	0.01	*0.17*	0.18	0.35	0.46	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	18 Apr 2024	0908_SW048_240418	Normal	-	NSW_0908_PFASOMP_24	0.05	*0.56*	0.57	1.13	1.41	0.03	0.05	0.05	<0.02	<0.1	<0.02	0.08	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW048	24 Sep 2024	0908_SW048_240924	Normal	-	NSW_0908_PFASOMP_24	0.08	*0.88*	0.9	1.78	2.34	0.06	0.08	0.08	<0.02	<0.1	0.04	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	23 Jun 2014	DD1-WATER	Normal	-	NSW_0908_PFAS	0.09	*0.13*	0.48	0.61	-	0.06	-	-	<0.01	-	0.04	0.27	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW055	25 Jun 2014	QC7_WATER	Field_D	-	NSW_0908_PFAS	0.1	*0.59*	0.7	1.29	-	0.06	-	-	<0.01	-	0.05	0.31	0.03	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW055	26 Jun 2014	QC6_SEDIMENT_PW	Interlab_D	-	NSW_0908_PFAS	<0.02	<0.02	0.25	0.27	-	0.1	-	-	<0.02	-	-	0.15	0.03	<0.02	<0.02	<0.05	<0.05	<0.05	<0.5	-	<0.1	<0.1	-	<0.02	<0.5	-	<0.5	<0.05	-	<0.5
SW055	26 Jun 2014	QC8_WATER	Interlab_D	-	NSW_0908_PFAS	0.16	*8.63*	-	**8.63**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.1	<0.1	-	-	-	-	-	-	-	-
SW055	14 Jan 2016	DD1_SW_1412016	Normal	-	NSW_0908_PFAS	0.247	*5.17*	-	**5.17**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07	-	-	-	-	-	-	-	-	-
SW055	15 Jan 2016	DD1_SW_15012016	Normal	-	NSW_0908_PFAS	0.093	*3.57*	-	**3.57**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	-	-	-	-
SW055	16 Dec 2016	DD1_SW_161216	Normal	-	NSW_0908_PFAS	0.13	*2.66*	1.97	**4.63**	5.52	0.16	0.16	0.07	<0.02	<0.1	0.09	0.22	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	03 Mar 2017	DD1_SW_030317	Normal	-	NSW_0908_PFAS	<0.01	*0.1*	0.08	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1330	Normal	-	NSW_0908_PFAS	<0.01	*0.08*	0.16	0.24	0.24	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1445	Normal	-	NSW_0908_PFAS	<0.01	*0.08*	0.18	0.26	0.26	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1500	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.14	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1515	Normal	-	NSW_0908_PFAS	<0.01	*0.09*	0.16	0.25	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1545	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1600	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1615	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1630	Normal	-	NSW_0908_PFAS	<0.01	*0.06*	0.1	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1645	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Mar 2017	DD1_AS_090317_1700	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1000	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1015	Normal	-	NSW_0908_PFAS	<0.01	*0.11*	0.21	0.32	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1030	Normal	-	NSW_0908_PFAS	<0.01	*0.11*	0.21	0.32	0.34	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1045	Normal	-	NSW_0908_PFAS	<0.01	*0.09*	0.18	0.27	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1100	Normal	-	NSW_0908_PFAS	<0.01	*0.09*	0.16	0.25	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1115	Normal	-	NSW_0908_PFAS	<0.01	*0.08*	0.15	0.23	0.23	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1130	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.13	0.2	0.2	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1715	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.12	0.19	0.19	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_AS_100317_1730	Normal	-	NSW_0908_PFAS	<0.01	*0.07*	0.11	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Mar 2017	DD1_SW_100317	Normal	-	NSW_0908_PFAS	<0.01	*0.06*	0.06	0.12	0.12	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	17 Mar 2017	DD1_SW_20170317	Normal	-	NSW_0908_PFAS	<0.01	*0.14*	0.55	0.69	0.81	<0.02	0.03	<0.02	<0.02	<0.1	0.04	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1545	Normal	-	NSW_0908_PFAS	0.02	*0.64*	0.38	1.02	1.13	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1600	Normal	-	NSW_0908_PFAS	0.02	*0.64*	0.36	1	1.12	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Mar 2017	DD1_AS_200317_1615	Normal	-	NSW_0908_PFAS	0.03	*1.01*	0.84	1.85	2.14	0.06	0.06	0.04	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_815	Normal	-	NSW_0908_PFAS	0.03	*0.91*	0.67	1.58	1.82	0.05	0.05	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_830	Normal	-	NSW_0908_PFAS	0.02	*0.7*	0.5	1.2	1.38	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_845	Normal	-	NSW_0908_PFAS	0.02	*0.65*	0.38	1.03	1.15	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_900	Normal	-	NSW_0908_PFAS	0.01	*0.56*	0.3	0.86	0.95	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_915	Normal	-	NSW_0908_PFAS	0.01	*0.53*	0.26	0.79	0.87	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																													
SW055	21 Mar 2017	DD1_AS_210317_930	Normal	-	NSW_0908_PFAS	0.01	*0.53*	0.25	0.78	0.86	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_945	Normal	-	NSW_0908_PFAS	<0.01	*0.44*	0.22	0.66	0.68	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1015	Normal	-	NSW_0908_PFAS	<0.01	*0.49*	0.27	0.76	0.79	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1115	Normal	-	NSW_0908_PFAS	<0.01	*0.5*	0.28	0.78	0.81	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1130	Normal	-	NSW_0908_PFAS	<0.01	*0.42*	0.22	0.64	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1145	Normal	-	NSW_0908_PFAS	<0.01	*0.3*	0.14	0.44	0.44	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1215	Normal	-	NSW_0908_PFAS	<0.01	*0.22*	0.07	0.29	0.29	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210317_1230	Normal	-	NSW_0908_PFAS	<0.01	*0.24*	0.07	0.31	0.31	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Mar 2017	DD1_AS_210347_1200	Normal	-	NSW_0908_PFAS	<0.01	*0.25*	0.1	0.35	0.35	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 Mar 2017	DD1_SW_220317	Normal	-	NSW_0908_PFAS	0.02	*0.75*	0.61	1.36	1.57	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	31 Mar 2017	DD1_SW_310317	Normal	-	NSW_0908_PFAS	0.01	*0.42*	0.31	0.73	0.78	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	07 Apr 2017	DD1_SW_070417	Normal	-	NSW_0908_PFAS	0.03	*0.38*	0.55	0.93	1.11	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 May 2017	DD1_SW_050517	Normal	-	NSW_0908_PFAS	<0.01	*0.51*	0.26	0.77	-	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	02 Jun 2017	DD1_SW_020617	Normal	-	NSW_0908_PFAS	<0.01	*0.13*	0.08	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	21 Jul 2017	DD1_SW_210717	Normal	-	NSW_0908_PFAS	0.04	*1.72*	0.79	**2.51**	2.99	0.09	0.08	0.03	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	12 Apr 2018	DD1_SW_13042018	Normal	-	NSW_0908_PFAS	<0.01	*0.35*	0.14	0.49	0.52	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	07 Dec 2018	0908_DD1_SW_181207	Normal	-	NSW_0908_PFAS	0.04	*0.83*	0.76	1.59	2.06	0.06	0.09	0.02	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	09 Apr 2019	0908_DD1_190409	Normal	-	NSW_0908_PFAS	0.04	*0.4*	0.85	1.25	-	0.07	0.09	0.04	<0.02	<0.1	0.04	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	13 Jun 2019	0908_DD1_SW_190613	Normal	-	NSW_0908_PFAS	0.01	*0.17*	0.36	0.53	0.67	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 Nov 2019	0908_DD1_SW_191105	Normal	-	NSW_0908_PFASOMP	0.04	*0.08*	0.84	0.92	1.23	0.03	0.06	0.04	<0.02	<0.1	<0.02	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 May 2020	0908_SW055_200522	Normal	-	NSW_0908_PFASOMP	<0.01	*0.15*	0.18	0.33	0.38	<0.02	<0.02	<0.02	<0.02	<0.1	0.03	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	23 Nov 2020	0908_SW055_201123	Normal	-	NSW_0908_PFASOMP	0.05	*0.59*	0.88	1.47	1.97	0.07	0.10	0.04	<0.02	<0.1	0.03	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	05 May 2021	0908_SW055_210505	Normal	-	NSW_0908_PFASOMP	0.10	*2.92*	1.38	**4.3**	5.15	0.09	0.14	0.10	<0.02	<0.1	0.08	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	11 May 2021	0908_SW055_210511	Normal	-	NSW_0908_PFASOMP	0.08	*3.31*	1.12	**4.43**	5.08	0.07	0.09	0.07	<0.02	<0.1	0.06	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Jun 2021	0908_QC100_210625	Field_D	-	NSW_0908_PFASOMP	0.07	*2.93*	1	**3.93**	4.50	0.06	0.09	0.05	<0.02	<0.1	0.06	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Jun 2021	0908_QC200_210625	Interlab_D	-	NSW_0908_PFASOMP	0.056	*2.3*	0.87	**3.17**	-	0.052	0.065	0.037	<0.01	<0.05	0.059	0.15	0.033	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.048	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05	<0.05
SW055	25 Jun 2021	0908_SW055_210625	Normal	-	NSW_0908_PFASOMP	0.08	*3.54*	1.07	**4.61**	5.31	0.06	0.10	0.07	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	30 Jul 2021	0908_QC100_210730	Field_D	-	NSW_0908_PFASOMP	0.06	*0.82*	1.04	1.86	2.46	0.09	0.10	0.05	<0.02	<0.1	0.05	0.21	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	30 Jul 2021	0908_QC200_210730	Interlab_D	-	NSW_0908_PFASOMP	0.046	*0.69*	0.98	1.67	-	0.075	0.081	0.031	<0.01	<0.05	0.043	0.15	0.031	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05	<0.05
SW055	30 Jul 2021	0908_SW055_210730	Normal	-	NSW_0908_PFASOMP	0.06	*0.86*	1.02	1.88	2.47	0.09	0.10	0.05	<0.02	<0.1	0.05	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	20 Aug 2021	0908_SW055_210820	Normal	-	NSW_0908_PFASOMP	0.06	*0.62*	0.97	1.59	2.15	0.08	0.11	0.05	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	27 Sep 2021	0908_SW055_210927	Normal	-	NSW_0908_PFASOMP	0.05	*1.45*	0.89	**2.34**	2.86	0.08	0.09	0.04	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	25 Oct 2021	0908_SW055_211025	Normal	-	NSW_0908_PFASOMP	0.05	*0.63*	0.8	1.43	1.95	0.08	0.10	0.04	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	16 Nov 2021	0908_SW055_211116	Normal	-	NSW_0908_PFASOMP	0.06	*2.02*	0.89	**2.91**	3.53	0.09	0.08	0.04	<0.02	<0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	19 May 2022	0908_QC111_220519	Field_D	-	NSW_0908_PFASOMP	0.08	*3.98*	0.96	**4.94**	5.64	0.05	0.08	0.06	<0.02	<0.1	0.08	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	19 May 2022	0908_SW055_220519	Normal	-	NSW_0908_PFASOMP	0.08	*3.81*	1.01	**4.82**	5.50	0.05	0.08	0.06	<0.02	<0.1	0.06	0.23	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	12 Aug 2022	0908_SW055_220812	Normal	-	NSW_0908_PFASMGMT	0.09	*4.46*	0.97	**5.43**	6.00	0.06	0.07	0.08	<0.02	<0.1	0.05	0.18	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 Nov 2022	0908_SW055_221110	Normal	-	NSW_0908_PFASOMP	0.08	*3.48*	0.8	**4.28**	4.82	0.06	0.08	0.07	<0.02	<0.1	0.04	0.17	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	10 May 2023	0908_SW055_230510	Normal	-	NSW_0908_PFASOMP_23	0.05	*0.9*	0.88	1.78	2.26	0.07	0.10	0.04	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	22 Nov 2023	0908_SW055_231122	Normal	-	NSW_0908_PFASOMP_23	0.05	*0.55*	0.71	1.26	1.69	0.10	0.06	0.04	<0.02	<0.1	0.02	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	17 Apr 2024	0908_SW055_240417	Normal	-	NSW_0908_PFASOMP_24	0.04	*0.56*	0.65	1.21	1.53	0.04	0.07	0.04	<0.02	<0.1	<0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW055	24 Sep 2024	0908_SW055_240924	Normal	-	NSW_0908_PFASOMP_24	0.07	*0.76*	1.18	1.94	2.56	0.09	0.11	0.04	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	19 Jun 2014	DD2_WATER	Normal	Region 3	NSW_0908_PFAS	0.08	*0.02*	0.52	0.54	-	0.11	-	-	<0.01	-	0.04	0.42	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW059	14 Jan 2016	DD2_SW_1412016	Normal	Region 3	NSW_0908_PFAS	0.082	*1.56*	-	1.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW059	14 Jan 2016	QC200_SW_140116	Interlab_D	Region 3	NSW_0908_PFAS	0.064	*2.6*	-	**2.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW059	14 Dec 2016	DD2_SW_161214	Normal	Region 3	NSW_0908_PFAS	0.1	*0.8*	1.68	**2.48**	3.55	0.31	0.28	0.07	<0.02	<0.1	0.06	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	02 Feb 2017	DD2_SW_020217	Normal	Region 3	NSW_0908_PFAS	0.03	*1.61*	0.66	**2.27**	2.59	0.06	0.08	0.03	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Feb 2017	DD2_SW_090217	Normal	Region 3	NSW_0908_PFAS	<0.05	*0.44*	0.12	0.56	0.56	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW059	16 Feb 2017	DD2_SW_16022017	Normal	Region 3	NSW_0908_PFAS	<0.05	*0.08*	0.18	0.26	4.66	<0.05	<0.05	<0.05	<0.05	4.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW059	02 Mar 2017	DD2_SW_020317	Normal	Region 3	NSW_0908_PFAS	0.02	*0.62*	0.65	1.27	1.52	0.06	0.07	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1030	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.05*	0.06	0.11	0.11	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1045	Normal	Region 3	NSW_0908_PFAS	0.03	*1.13*	0.73	1.86	2.1	0.04	0.06	0.03	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1100	Normal	Region 3	NSW_0908_PFAS	0.03	*1.01*	0.62	1.63	1.84	0.04	0.05	0.03	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1115	Normal	Region 3	NSW_0908_PFAS	0.03	*0.86*	0.61	1.47	1.66	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1130	Normal	Region 3	NSW_0908_PFAS	0.02	*0.82*	0.54	1.36	1.53	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1145	Normal	Region 3	NSW_0908_PFAS	0.02	*0.95*	0.51	1.46	1.59	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1200	Normal	Region 3	NSW_0908_PFAS	0.02	*0.67*	0.34	1.01	1.1	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1215	Normal	Region 3	NSW_0908_PFAS	0.01	*0.71*	0.32	1.03	1.11	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1230	Normal	Region 3	NSW_0908_PFAS	0.02	*0.8*	0.42	1.22	1.34	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																													

Location Code	Date	Field ID	Sample Type	Region	Project ID																														
SW059	08 Mar 2017	DD2_AS_080317_1245	Normal	Region 3	NSW_0908_PFAS	0.02	*0.85*	0.46	1.31	1.45	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1300	Normal	Region 3	NSW_0908_PFAS	0.01	*0.64*	0.33	0.97	1.06	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1315	Normal	Region 3	NSW_0908_PFAS	0.01	*0.6*	0.31	0.91	0.99	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1330	Normal	Region 3	NSW_0908_PFAS	0.01	*0.64*	0.33	0.97	1.06	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1345	Normal	Region 3	NSW_0908_PFAS	0.02	*0.78*	0.43	1.21	1.35	0.03	0.03	0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1400	Normal	Region 3	NSW_0908_PFAS	0.02	*0.75*	0.42	1.17	1.29	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1415	Normal	Region 3	NSW_0908_PFAS	0.02	*0.68*	0.36	1.04	1.15	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	08 Mar 2017	DD2_AS_080317_1430	Normal	Region 3	NSW_0908_PFAS	0.02	*0.62*	0.33	0.95	1.04	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Mar 2017	DD2_SW_090317	Normal	Region 3	NSW_0908_PFAS	0.01	*0.34*	0.58	0.92	1.28	0.13	0.1	<0.02	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 Mar 2017	DD2_SW_20170316	Normal	Region 3	NSW_0908_PFAS	0.01	*0.26*	1.22	1.48	2.15	0.22	0.18	<0.02	<0.02	<0.1	0.04	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_200317_0245	Normal	Region 3	NSW_0908_PFAS	0.04	*0.7*	1.51	**2.21**	3.08	0.32	0.27	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_0300	Normal	Region 3	NSW_0908_PFAS	0.03	*0.67*	1.46	**2.13**	2.93	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_0945	Normal	Region 3	NSW_0908_PFAS	0.02	*0.65*	1.31	1.96	2.75	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1000	Normal	Region 3	NSW_0908_PFAS	0.02	*0.59*	1.35	1.94	2.73	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1015	Normal	Region 3	NSW_0908_PFAS	0.03	*0.62*	1.32	1.94	2.74	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1030	Normal	Region 3	NSW_0908_PFAS	0.03	*0.52*	1.31	1.83	2.63	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1045	Normal	Region 3	NSW_0908_PFAS	0.02	*0.61*	1.36	1.97	2.76	0.31	0.26	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1100	Normal	Region 3	NSW_0908_PFAS	0.02	*0.54*	1.38	1.92	2.7	0.32	0.25	0.04	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1115	Normal	Region 3	NSW_0908_PFAS	0.02	*0.52*	1.37	1.89	2.69	0.31	0.28	0.04	<0.02	<0.1	<0.02	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1145	Normal	Region 3	NSW_0908_PFAS	0.03	*0.58*	1.34	1.92	2.74	0.32	0.27	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1215	Normal	Region 3	NSW_0908_PFAS	0.02	*0.61*	1.36	1.97	2.79	0.32	0.28	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1245	Normal	Region 3	NSW_0908_PFAS	0.02	*0.58*	1.4	1.98	2.82	0.33	0.28	0.04	<0.02	<0.1	<0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Mar 2017	DD2_AS_220317_1315	Normal	Region 3	NSW_0908_PFAS	0.03	*0.67*	1.37	**2.04**	2.87	0.33	0.26	0.04	<0.02	<0.1	<0.02	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2130	Normal	Region 3	NSW_0908_PFAS	0.03	*0.57*	1.41	1.98	2.77	0.29	0.25	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2145	Normal	Region 3	NSW_0908_PFAS	0.04	*0.64*	1.54	**2.18**	3.03	0.3	0.26	0.05	<0.02	<0.1	<0.02	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2200	Normal	Region 3	NSW_0908_PFAS	0.03	*0.59*	1.45	**2.04**	2.86	0.29	0.26	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2215	Normal	Region 3	NSW_0908_PFAS	0.04	*0.66*	1.5	**2.16**	3.02	0.3	0.28	0.05	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2230	Normal	Region 3	NSW_0908_PFAS	0.03	*0.56*	1.46	**2.02**	2.82	0.3	0.25	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2245	Normal	Region 3	NSW_0908_PFAS	0.03	*0.6*	1.41	**2.01**	2.81	0.29	0.25	0.05	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2300	Normal	Region 3	NSW_0908_PFAS	0.03	*0.61*	1.4	**2.01**	2.78	0.29	0.25	0.04	<0.02	<0.1	<0.02	0.16	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2315	Normal	Region 3	NSW_0908_PFAS	0.03	*0.63*	1.35	1.98	2.75	0.28	0.24	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2330	Normal	Region 3	NSW_0908_PFAS	0.03	*0.71*	1.53	**2.24**	3.12	0.32	0.28	0.05	<0.02	<0.1	<0.02	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	21 Mar 2017	DD2_AS_210317_2345	Normal	Region 3	NSW_0908_PFAS	0.04	*0.68*	1.62	**2.3**	3.23	0.33	0.31	0.05	<0.02	<0.1	<0.02	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0015	Normal	Region 3	NSW_0908_PFAS	0.03	*0.66*	1.56	**2.22**	3.07	0.32	0.27	0.04	<0.02	<0.1	<0.02	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0045	Normal	Region 3	NSW_0908_PFAS	0.04	*0.66*	1.59	**2.25**	3.14	0.32	0.27	0.05	<0.02	<0.1	<0.02	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0115	Normal	Region 3	NSW_0908_PFAS	0.03	*0.58*	1.48	**2.06**	2.91	0.31	0.27	0.04	<0.02	<0.1	<0.02	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0145	Normal	Region 3	NSW_0908_PFAS	0.03	*0.64*	1.45	**2.09**	2.91	0.3	0.26	0.05	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Mar 2017	DD2_AS_220317_0215	Normal	Region 3	NSW_0908_PFAS	0.03	*0.63*	1.47	**2.1**	2.91	0.3	0.26	0.04	<0.02	<0.1	<0.02	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Mar 2017	DD2_SW_23032017	Normal	Region 3	NSW_0908_PFAS	0.03	*0.64*	1.48	**2.12**	2.99	0.29	0.22	0.05	<0.02	<0.1	0.04	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	31 Mar 2017	DD2_SW_310317	Normal	Region 3	NSW_0908_PFAS	0.02	*0.48*	0.63	1.11	1.41	0.08	0.1	<0.02	<0.02	<0.1	<0.02	0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	05 Apr 2017	DD2_SW_050417	Normal	Region 3	NSW_0908_PFAS	0.03	*0.45*	1.67	**2.12**	2.9	0.22	0.23	0.03	<0.02	<0.1	0.03	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	04 May 2017	DD2_SW_040517	Normal	Region 3	NSW_0908_PFAS	0.12	*1.82*	3.26	**5.08**	-	0.27	0.41	0.17	<0.02	<0.1	<0.02	0.44	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	01 Jun 2017	DD2_SW_010617	Normal	Region 3	NSW_0908_PFAS	0.07	*0.96*	2.94	**3.9**	5.62	0.41	0.4	0.07	<0.02	<0.1	0.1	0.6	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Jul 2017	DD2_SW_200717	Normal	Region 3	NSW_0908_PFAS	0.05	*1.08*	1.4	**2.48**	3.07	0.1	0.14	0.05	<0.02	<0.1	0.03	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	12 Apr 2018	DD2_SW_12042018	Normal	Region 3	NSW_0908_PFAS	0.04	*0.81*	1.14	1.95	2.58	0.13	0.14	0.04	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	06 Dec 2018	0908_DD2_SW_181206	Normal	Region 3	NSW_0908_PFAS	0.1	*0.91*	2.29	**3.2**	4.63	0.27	0.29	0.09	<0.02	<0.1	0.09	0.53	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	13 Jun 2019	0908_DD2_SW_190613	Normal	Region 3	NSW_0908_PFAS	0.02	*0.14*	1.26	1.4	2.55	0.38	0.37	0.02	<0.02	<0.1	0.02	0.32	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	05 Nov 2019	0908_DD2_SW_191105	Normal	Region 3	NSW_0908_PFASOMP	0.06	*1.29*	1.49	**2.78**	3.77	0.19	0.23	0.09	<0.02	<0.1	0.06	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	04 Jun 2020	0908_SW059_200604	Normal	Region 3	NSW_0908_PFASOMP	0.12	*0.85*	4.87	**5.72**	9.20	0.72	0.84	0.15	<0.02	0.1	0.22	1.21	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	13 Nov 2020	0908_SW059_201113	Normal	Region 3	NSW_0908_PFASOMP	0.06	*1.31*	1.19	**2.5**	3.21	0.09	0.10	0.05	<0.02	<0.1	0.08	0.30	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	18 Dec 2020	0908_SW059_201218	Normal	Region 3	NSW_0908_PFASOMP	0.08	*0.87*	1.96	**2.83**	3.88	0.22	0.21	0.08	<0.02	<0.1	0.06	0.36	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220200	Normal	Region 3	NSW_0908_PFASOMP	0.04	*0.72*	1.3	**2.02**	2.63	0.12	0.12	0.05	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220300	Normal	Region 3	NSW_0908_PFASOMP	0.04	*0.55*	1.2	1.75	2.31	0.11	0.11	0.04	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220400	Normal	Region 3	NSW_0908_PFASOMP	0.05	*0.72*	1.36	**2.08**	2.73	0.11	0.13	0.05	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220500	Normal	Region 3	NSW_0908_PFASOMP	0.06	*0.8*	1.5	**2.3**	3.02	0.13	0.15	0.05	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220600	Normal	Region 3	NSW_0908_PFASOMP	0.05	*0.62*	1.42	**2.04**	2.72	0.12	0.14	0.05	<0.02	<0.1	0.05	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220700	Normal	Region 3	NSW_0908_PFASOMP	0.06	*0.91*	1.76	**2.67**	3.51	0.15	0.17	0.06	<0.02	<0.1	0.06	0.30	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220800	Normal	Region 3	NSW_0908_PFASOMP	0.06	*0.84*	1.78	**2.62**	3.48	0.15	0.18	0.06	<0.02	<0.1	0.06	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012220900	Normal	Region 3	NSW_0908_PFASOMP	0.07	*0.92*	1.91	**2.83**	3.78	0.17	0.19	0.07	<0.02	<0.1	0.07	0.34	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

							PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
							Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
							µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR							0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water							**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%							*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																															
SW059	22 Dec 2020	0908_SW059_2012221000	Normal	Region 3	NSW_0908_PFASOMP		0.07	*0.81*	2.04	**2.85**	3.83	0.18	0.20	0.07	<0.02	<0.1	0.07	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221100	Normal	Region 3	NSW_0908_PFASOMP		0.07	*0.77*	2.04	**2.81**	3.81	0.18	0.20	0.07	<0.02	<0.1	0.07	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221200	Normal	Region 3	NSW_0908_PFASOMP		0.08	*0.95*	2.17	**3.12**	4.19	0.20	0.21	0.08	<0.02	<0.1	0.08	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221300	Normal	Region 3	NSW_0908_PFASOMP		0.08	*0.95*	2.23	**3.18**	4.29	0.20	0.22	0.08	<0.02	<0.1	0.08	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221400	Normal	Region 3	NSW_0908_PFASOMP		0.09	*1.07*	2.56	**3.63**	4.87	0.22	0.24	0.09	<0.02	<0.1	0.09	0.45	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221500	Normal	Region 3	NSW_0908_PFASOMP		0.08	*1*	2.19	**3.19**	4.31	0.20	0.21	0.08	<0.02	<0.1	0.08	0.42	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221600	Normal	Region 3	NSW_0908_PFASOMP		0.05	*0.75*	1.5	**2.25**	3.01	0.14	0.16	0.06	<0.02	<0.1	0.06	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221700	Normal	Region 3	NSW_0908_PFASOMP		0.05	*0.71*	1.37	**2.08**	2.75	0.12	0.14	0.05	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221800	Normal	Region 3	NSW_0908_PFASOMP		0.04	*0.57*	1.17	1.74	2.31	0.10	0.12	0.05	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012221900	Normal	Region 3	NSW_0908_PFASOMP		0.03	*0.63*	1.19	1.82	2.37	0.10	0.12	0.04	<0.02	<0.1	0.04	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222000	Normal	Region 3	NSW_0908_PFASOMP		0.04	*0.55*	1.03	1.58	2.07	0.09	0.10	0.04	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222100	Normal	Region 3	NSW_0908_PFASOMP		0.03	*0.55*	0.99	1.54	2.02	0.09	0.10	0.04	<0.02	<0.1	0.03	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222200	Normal	Region 3	NSW_0908_PFASOMP		0.04	*0.61*	1.16	1.77	2.31	0.10	0.11	0.04	<0.02	<0.1	0.04	0.19	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	22 Dec 2020	0908_SW059_2012222300	Normal	Region 3	NSW_0908_PFASOMP		0.02	*0.53*	0.97	1.5	1.94	0.08	0.10	0.03	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Dec 2020	0908_SW059_2012230000	Normal	Region 3	NSW_0908_PFASOMP		0.03	*0.52*	0.97	1.49	1.95	0.08	0.10	0.04	<0.02	<0.1	0.03	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Dec 2020	0908_SW059_2012230100	Normal	Region 3	NSW_0908_PFASOMP		0.03	*0.66*	1.2	1.86	2.40	0.10	0.12	0.04	<0.02	<0.1	0.04	0.19	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC105_210128	Field_D	Region 3	NSW_0908_PFASOMP		0.06	*0.83*	1.39	**2.22**	2.89	0.12	0.14	0.06	<0.02	<0.1	0.02	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC106_210128	Field_D	Region 3	NSW_0908_PFASOMP		0.05	*0.82*	1.25	**2.07**	2.70	0.11	0.13	0.06	<0.02	<0.1	0.04	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC107_210128	Field_D	Region 3	NSW_0908_PFASOMP		0.05	*0.85*	1.17	**2.02**	2.58	0.10	0.12	0.06	<0.02	<0.1	<0.02	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC108_210128	Field_D	Region 3	NSW_0908_PFASOMP		0.05	*0.96*	1.22	**2.18**	2.77	0.10	0.12	0.05	<0.02	<0.1	0.03	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_QC205_210128	Interlab_D	Region 3	NSW_0908_PFASOMP		0.042	*0.66*	1.1	1.76	-	0.094	0.11	0.028	<0.01	<0.05	0.037	0.16	0.021	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC206_210128	Interlab_D	Region 3	NSW_0908_PFASOMP		0.039	*0.66*	1	1.66	-	0.08	0.089	0.024	<0.01	<0.05	0.035	0.15	0.019	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC207_210128	Interlab_D	Region 3	NSW_0908_PFASOMP		0.038	*0.77*	0.97	1.74	-	0.083	0.093	0.024	<0.01	<0.05	0.033	0.15	0.023	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_QC208_210128	Interlab_D	Region 3	NSW_0908_PFASOMP		0.04	*0.89*	1.1	1.99	-	0.091	0.1	0.026	<0.01	<0.05	0.038	0.18	0.023	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	28 Jan 2021	0908_SW059_2101281630	Normal	Region 3	NSW_0908_PFASOMP		0.06	*0.96*	1.59	**2.55**	3.28	0.11	0.16	0.07	<0.02	<0.1	0.04	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281730	Normal	Region 3	NSW_0908_PFASOMP		0.06	*0.86*	1.33	**2.19**	2.85	0.11	0.14	0.06	<0.02	<0.1	0.03	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281830	Normal	Region 3	NSW_0908_PFASOMP		0.05	*0.74*	1.2	1.94	2.49	0.09	0.12	0.05	<0.02	<0.1	0.02	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101281930	Normal	Region 3	NSW_0908_PFASOMP		0.05	*0.78*	1.17	1.95	2.50	0.08	0.12	0.05	<0.02	<0.1	0.02	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282030	Normal	Region 3	NSW_0908_PFASOMP		0.05	*0.97*	1.29	**2.26**	2.87	0.10	0.13	0.06	<0.02	<0.1	0.03	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282130	Normal	Region 3	NSW_0908_PFASOMP		0.05	*0.89*	1.09	1.98	2.52	0.08	0.12	0.05	<0.02	<0.1	0.02	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282230	Normal	Region 3	NSW_0908_PFASOMP		0.05	*1.07*	1.27	**2.34**	2.95	0.10	0.13	0.06	<0.02	<0.1	0.02	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	28 Jan 2021	0908_SW059_2101282330	Normal	Region 3	NSW_0908_PFASOMP		0.05	*1.12*	1.31	**2.43**	3.05	0.09	0.14	0.06	<0.02	<0.1	0.03	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_210129	Normal	Region 3	NSW_0908_PFASOMP		0.11	*1.62*	2.46	**4.08**	5.45	0.21	0.27	0.11	<0.02	<0.1	0.11	0.51	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290030	Normal	Region 3	NSW_0908_PFASOMP		0.06	*1.12*	1.47	**2.59**	3.29	0.11	0.15	0.06	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290130	Normal	Region 3	NSW_0908_PFASOMP		0.07	*1.24*	1.6	**2.84**	3.65	0.12	0.17	0.07	<0.02	<0.1	0.05	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290230	Normal	Region 3	NSW_0908_PFASOMP		0.06	*1.13*	1.48	**2.61**	3.34	0.11	0.16	0.07	<0.02	<0.1	0.04	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290330	Normal	Region 3	NSW_0908_PFASOMP		0.08	*1.27*	1.8	**3.07**	3.96	0.13	0.19	0.08	<0.02	<0.1	0.05	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290430	Normal	Region 3	NSW_0908_PFASOMP		0.08	*1.23*	1.82	**3.05**	3.97	0.14	0.18	0.08	<0.02	<0.1	0.06	0.34	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290530	Normal	Region 3	NSW_0908_PFASOMP		0.09	*1.44*	2.11	**3.55**	4.64	0.18	0.22	0.09	<0.02	<0.1	0.06	0.40	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290630	Normal	Region 3	NSW_0908_PFASOMP		0.10	*1.44*	2.37	**3.81**	5.09	0.21	0.25	0.10	<0.02	<0.1	0.08	0.48	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290730	Normal	Region 3	NSW_0908_PFASOMP		0.12	*1.37*	2.91	**4.28**	5.74	0.24	0.31	0.10	<0.02	<0.1	0.09	0.53	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290830	Normal	Region 3	NSW_0908_PFASOMP		0.12	*1.42*	2.71	**4.13**	5.58	0.24	0.29	0.11	<0.02	<0.1	0.09	0.53	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101290930	Normal	Region 3	NSW_0908_PFASOMP		0.13	*1.52*	2.94	**4.46**	6.10	0.26	0.30	0.13	<0.02	0.1	0.09	0.56	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291030	Normal	Region 3	NSW_0908_PFASOMP		0.14	*1.57*	3.04	**4.61**	6.23	0.27	0.32	0.14	<0.02	<0.1	0.09	0.58	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291130	Normal	Region 3	NSW_0908_PFASOMP		0.14	*1.48*	2.94	**4.42**	6.03	0.24	0.30	0.13	<0.02	0.1	0.09	0.54	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291230	Normal	Region 3	NSW_0908_PFASOMP		0.13	*1.48*	2.98	**4.46**	6.08	0.25	0.30	0.13	<0.02	0.1	0.09	0.55	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291330	Normal	Region 3	NSW_0908_PFASOMP		0.13	*1.53*	2.76	**4.29**	5.85	0.22	0.28	0.12	<0.02	0.1	0.13	0.51	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291430	Normal	Region 3	NSW_0908_PFASOMP		0.13	*1.76*	2.83	**4.59**	6.05	0.22	0.28	0.14	<0.02	<0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	29 Jan 2021	0908_SW059_2101291530	Normal	Region 3	NSW_0908_PFASOMP		0.13	*1.68*	2.83	**4.51**	6.08	0.23	0.29	0.13	<0.02	0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	19 Feb 2021	0908_SW059_210219	Normal	Region 3	NSW_0908_PFASOMP		0.10	*2.51*	1.92	**4.43**	5.53	0.14	0.16	0.10	<0.02	<0.1	0.10	0.45	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	26 Mar 2021	0908_SW059_210326	Normal	Region 3	NSW_0908_PFASOMP		0.04	*0.68*	0.63	1.31	1.68	0.05	0.05	0.04	<0.02	<0.1	0.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	27 Apr 2021	0908_SW059_210427	Normal	Region 3	NSW_0908_PFASOMP		0.06	*1.26*	0.94	**2.2**	2.74	0.07	0.08	0.05	<0.02	<0.1	0.04	0.22	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	11 May 2021	0908_SW059_210511	Normal	Region 3	NSW_0908_PFASOMP		0.06	*1.28*	0.94	**2.22**	2.73	0.06	0.08	0.06	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	25 Jun 2021	0908_SW059_210625	Normal	Region 3	NSW_0908_PFASOMP		0.07	*1.08*	1.29	**2.37**	3.03	0.09	0.12	0.07	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	30 Jul 2021	0908_SW059_210730	Normal	Region 3	NSW_0908_PFASOMP		0.06	*1.02*	1.03	**2.05**	2.66	0.09	0.09	0.06	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Aug 2021	0908_QC100_210820	Field_D	Region 3	NSW_0908_PFASOMP		0.12	*1.69*	1.81	**3.5**	4.69	0.17	0.21	0.12	<0.02	<0.1	0.09	0.43	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	20 Aug 2021	0908_QC200_210820	Interlab_D	Region 3	NSW_0908_PFASOMP		0.047	*0.51*	0.96	1.47	-	0.087	0.098	0.028	<0.01	<0.05	0.044	0.17	0.028	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW059	20 Aug 2021	0908_SW059_210820	Normal	Region 3	NSW_0908_PFASOMP		0.13	*1.76*	2.14	**3.9**	5.24	0.20	0.24	0.14	<0.02	<0.1	0.10	0.47	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	27 Sep 2021	0908_SW059_210927	Normal	Region 3	NSW_0908_PFASOMP		0.06	*0.88*	1.07	1.95	2.58	0.10	0.10	0.06	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids								PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																													
SW059	25 Oct 2021	0908_SW059_211025	Normal	Region 3	NSW_0908_PFASOMP	0.16	*2.32*	1.78	**4.1**	5.49	0.18	0.22	0.14	<0.02	<0.1	0.10	0.52	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	15 Nov 2021	0908_SW059_211115	Normal	Region 3	NSW_0908_PFASOMP	0.07	*1.18*	1.16	**2.34**	3.10	0.13	0.12	0.07	<0.02	<0.1	0.05	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	17 May 2022	0908_QC103_220517	Field_D	Region 3	NSW_0908_PFASOMP	0.04	*0.8*	0.73	1.53	1.94	0.05	0.07	0.05	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	17 May 2022	0908_QC203_220517	Interlab_D	Region 3	NSW_0908_PFASOMP	0.05	*0.72*	0.75	1.5	1.9	0.05	0.06	0.06	<0.02	0.03	0.03	0.13	0.03	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW059	17 May 2022	0908_SW059_220517	Normal	Region 3	NSW_0908_PFASOMP	0.04	*0.76*	0.74	1.5	1.92	0.05	0.07	0.05	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	09 Nov 2022	0908_SW059_221109	Normal	Region 3	NSW_0908_PFASOMP	0.07	*1.17*	0.88	**2.05**	2.72	0.08	0.12	0.08	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 May 2023	0908_SW059_230516	Normal	Region 3	NSW_0908_PFASOMP_23	0.13	*2.14*	2.35	**4.49**	5.88	0.25	0.25	0.15	<0.02	<0.1	0.09	0.46	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Nov 2023	0908_SW059_231123	Normal	Region 3	NSW_0908_PFASOMP_23	0.04	*0.64*	0.88	1.52	1.99	0.07	0.09	0.04	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	16 Apr 2024	0908_SW059_240416	Normal	Region 3	NSW_0908_PFASOMP_24	0.06	*0.91*	1.59	**2.5**	3.52	0.18	0.28	0.09	<0.02	<0.1	0.04	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Sep 2024	0908_QC103_240923	Field_D	Region 3	NSW_0908_PFASOMP_24	0.11	*1.51*	1.56	**3.07**	4.04	0.13	0.18	0.11	<0.02	<0.1	0.06	0.29	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW059	23 Sep 2024	0908_QC203_240923	Interlab_D	Region 3	NSW_0908_PFASOMP_24	0.10	*1.5*	1.7	**3.3**	4.1	0.15	0.16	0.13	<0.02	<0.02	0.05	0.24	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW059	23 Sep 2024	0908_SW059_240923	Normal	Region 3	NSW_0908_PFASOMP_24	0.10	*1.7*	1.5	**3.2**	4.03	0.10	0.12	0.07	<0.02	<0.1	0.06	0.31	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	17 Jun 2014	DD3_WATER	Normal	Region 3	NSW_0908_PFAS	0.61	*0.36*	4.2	**4.56**	-	0.82	-	-	<0.01	-	0.32	2.5	0.33	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW060	14 Jan 2016	DD3_SW_1412016	Normal	Region 3	NSW_0908_PFAS	0.589	*10.3*	5.42	**15.72**	-	0.684	-	-	<0.005	-	-	1.65	0.11	0.018	<0.002	<0.005	<0.005	<0.005	<0.05	-	<0.01	<0.01	-	<0.002	<0.05	-	<0.1	<0.005	-	<0.1
SW060	14 Jan 2016	QC100_SW_1412016	Field_D	Region 3	NSW_0908_PFAS	0.212	*8.98*	-	**8.98**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW060	14 Dec 2016	DD3_SW_161214	Normal	Region 3	NSW_0908_PFAS	0.74	*7.82*	10.3	**18.1**	26.7	1.92	1.79	0.94	<0.02	<0.1	0.75	2.16	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	14 Dec 2016	DD3_SW_161214	Normal	Region 3	NSW_0908_PFAS	-	-	-	**18.12**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	02 Feb 2017	DD3_SW_020217	Normal	Region 3	NSW_0908_PFAS	0.43	*14.2*	4.18	**18.38**	21.5	0.49	0.5	0.37	<0.02	<0.1	0.15	1.03	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	02 Feb 2017	DD3_SW_020217	Normal	Region 3	NSW_0908_PFAS	-	-	-	**18.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	03 Mar 2017	DD3_SW_030317	Normal	Region 3	NSW_0908_PFAS	0.05	*1.55*	1	**2.55**	3.19	0.19	0.14	0.03	<0.02	<0.1	<0.02	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Mar 2017	DD3_SW_090317	Normal	Region 3	NSW_0908_PFAS	0.42	*9.07*	7.41	**16.48**	22.1	1.31	1.1	0.45	<0.02	<0.1	0.3	1.85	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Mar 2017	DD3_SW_090317	Normal	Region 3	NSW_0908_PFAS	-	-	-	**16.5**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	16 Mar 2017	DD3_SW_20170316	Normal	Region 3	NSW_0908_PFAS	0.28	*5.48*	6.78	**12.26**	16.2	0.88	0.83	0.38	<0.02	<0.1	0.18	1.21	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	16 Mar 2017	DD3_SW_20170316	Normal	Region 3	NSW_0908_PFAS	-	-	-	**12.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	23 Mar 2017	DD3_SW_23032017	Normal	Region 3	NSW_0908_PFAS	0.68	*11.9*	14	**25.9**	37.8	2.9	2.39	0.75	<0.02	0.6	0.58	3.65	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	31 Mar 2017	DD3_SW_310317	Normal	Region 3	NSW_0908_PFAS	0.34	*6.72*	6.52	**13.2**	18.4	1.15	1.15	0.4	<0.02	0.2	0.24	1.52	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	31 Mar 2017	DD3_SW_310317	Normal	Region 3	NSW_0908_PFAS	-	-	-	**13.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	05 Apr 2017	DD3_SW_050417	Normal	Region 3	NSW_0908_PFAS	0.64	*9.5*	11.4	**20.9**	31.6	2.9	2.7	0.82	<0.02	<0.1	0.51	2.8	0.37	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	04 May 2017	DD3_SW_040517	Normal	Region 3	NSW_0908_PFAS	2.34	*35.3*	39.9	**75.2**	-	3.59	5.53	2.8	<0.02	<0.1	<0.02	7.42	0.75	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	01 Jun 2017	DD3_SW_010617	Normal	Region 3	NSW_0908_PFAS	1.87	*20*	28	**48**	71.1	4.38	4.22	1.55	<0.02	0.9	1.73	7.44	1.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Jul 2017	DD3_SW_200717	Normal	Region 3	NSW_0908_PFAS	0.93	*31.8*	19.8	**51.6**	59.4	0.95	1.36	0.99	<0.02	0.5	0.43	2.26	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	12 Apr 2018	DD3_SW_12042018	Normal	Region 3	NSW_0908_PFAS	0.61	*12.2*	10.7	**22.9**	30.8	1.65	1.6	0.77	<0.02	0.1	0.37	2.48	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	06 Dec 2018	0908_DD3_SW_181206	Normal	Region 3	NSW_0908_PFAS	1.43	*30.7*	22.4	**53.1**	69	2.51	3.17	2.07	<0.02	0.3	0.87	4.86	0.65	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	Region 3	NSW_0908_PFAS	0.4	*4.78*	7.09	**11.87**	19	1.56	1.66	0.45	<0.02	0.2	0.38	2.23	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	13 Jun 2019	0908_DD3_SW_190613	Normal	Region 3	NSW_0908_PFAS	-	-	-	**11.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW060	05 Nov 2019	0908_DD3_SW_191105	Normal	Region 3	NSW_0908_PFASOMP	0.64	*12.5*	10.4	**22.9**	31.5	1.28	1.79	0.91	<0.02	0.4	0.57	2.68	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	04 Jun 2020	0908_SW060_200604	Normal	Region 3	NSW_0908_PFASOMP	0.88	*8.48*	10.8	**19.3**	34.0	2.31	3.63	1.46	<0.02	0.5	0.84	4.54	0.56	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Nov 2020	0908_SW060_201120	Normal	Region 3	NSW_0908_PFASOMP	1.19	*26.4*	16.8	**43.2**	54.5	1.10	1.76	1.94	<0.02	0.5	0.73	3.72	0.39	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	18 Dec 2020	0908_SW060_201218	Normal	Region 3	NSW_0908_PFASOMP	0.56	*13.9*	10.4	**24.3**	33.2	1.88	1.95	0.85	<0.02	0.3	0.44	2.63	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211403	Normal	Region 3	NSW_0908_PFASOMP	0.50	*9.76*	7.92	**17.7**	24.9	1.51	1.44	0.59	<0.02	0.3	0.43	2.17	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211503	Normal	Region 3	NSW_0908_PFASOMP	0.36	*5.83*	5.7	**11.5**	16.8	1.05	1.17	0.43	<0.02	0.2	0.26	1.64	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211603	Normal	Region 3	NSW_0908_PFASOMP	0.37	*7.23*	6.95	**14.2**	19.8	1.16	1.29	0.44	<0.02	0.2	0.26	1.73	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211703	Normal	Region 3	NSW_0908_PFASOMP	0.40	*6.55*	6.87	**13.4**	19.4	1.21	1.34	0.51	<0.02	0.2	0.27	1.81	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211803	Normal	Region 3	NSW_0908_PFASOMP	0.44	*8.35*	7.57	**15.9**	22.2	1.36	1.32	0.49	<0.02	0.2	0.36	1.88	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012211903	Normal	Region 3	NSW_0908_PFASOMP	0.49	*9.66*	8.07	**17.7**	24.3	1.33	1.37	0.56	<0.02	0.2	0.34	2.05	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212003	Normal	Region 3	NSW_0908_PFASOMP	0.48	*7.98*	8.2	**16.2**	23.1	1.40	1.68	0.55	<0.02	0.2	0.30	2.12	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212103	Normal	Region 3	NSW_0908_PFASOMP	0.46	*8.31*	7.94	**16.2**	23.2	1.45	1.62	0.58	<0.02	0.2	0.29	2.09	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212203	Normal	Region 3	NSW_0908_PFASOMP	0.52	*10.8*	10.3	**21.1**	28.7	1.48	1.85	0.72	<0.02	0.3	0.31	2.22	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	21 Dec 2020	0908_SW060_2012212303	Normal	Region 3	NSW_0908_PFASOMP	0.45	*9.05*	9.09	**18.1**	25.7	1.22	1.57	0.43	<0.02	0.3	0.80	2.46	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220003	Normal	Region 3	NSW_0908_PFASOMP	0.44	*8.99*	9.68	**18.7**	26.1	1.24	1.62	0.44	<0.02	0.3	0.76	2.29	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220103	Normal	Region 3	NSW_0908_PFASOMP	0.42	*8.62*	9.57	**18.2**	25.2	1.14	1.58	0.41	<0.02	0.3	0.70	2.16	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220203	Normal	Region 3	NSW_0908_PFASOMP	0.52	*11.7*	8.34	**20**	27.0	1.59	1.34	0.64	<0.02	0.2	0.31	2.15	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220303	Normal	Region 3	NSW_0908_PFASOMP	1.08	*17.9*	17.9	**35.8**	48.4	2.24	2.37	1.22	<0.02	0.4	0.56	4.26	0.50	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220403	Normal	Region 3	NSW_0908_PFASOMP	0.81	*14.2*	14.6	**28.8**	40.4	1.52	2.27	0.67	<0.02	0.5	1.28	4.05	0.53	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220503	Normal	Region 3	NSW_0908_PFASOMP	0.69	*12.7*	11.6	**24.3**	34.4	1.34	1.98	0.67	<0.02	0.4	1.11	3.45	0.46	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220603	Normal	Region 3	NSW_0908_PFASOMP	0.54	*9.08*	8.28	**17.4**	24.8	0.92	1.41	0.49	<0.02	0.3	0.78	2.61	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220703	Normal	Region 3	NSW_0908_PFASOMP	0.41	*7.38*	6.84	**14.2**	20.2	0.88	1.15	0.40	<0.02	0.2	0.61	2.08	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220803	Normal	Region 3	NSW_0908_PFASOMP	0.48	*7.21*	8.34	**15.6**	22.4	1.32	1.55	0.58	<0.02	0.2	0.30	2.14	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012220903	Normal	Region 3	NSW_0908_PFASOMP	0.32	*7.66*	6.34	**14**	18.9	1.06	0.98	0.43	<0.02	0.2	0.28	1.46	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																												
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																														

Location Code	Date	Field ID	Sample Type	Region	Project ID																														
SW060	22 Dec 2020	0908_SW060_2012221003	Normal	Region 3	NSW_0908_PFASOMP	0.29	*6.17*	5.49	**11.7**	16.0	0.96	0.86	0.34	<0.02	0.2	0.25	1.31	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221103	Normal	Region 3	NSW_0908_PFASOMP	0.36	*7.37*	6.96	**14.3**	19.8	1.23	1.12	0.44	<0.02	0.2	0.31	1.60	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221203	Normal	Region 3	NSW_0908_PFASOMP	0.40	*8.38*	7.68	**16.1**	22.0	1.28	1.25	0.49	<0.02	0.2	0.34	1.78	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Dec 2020	0908_SW060_2012221303	Normal	Region 3	NSW_0908_PFASOMP	0.41	*8.58*	7.42	**16**	21.8	1.24	1.17	0.50	<0.02	0.2	0.34	1.76	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_QC104_210128	Field_D	Region 3	NSW_0908_PFASOMP	0.30	*7.4*	4.5	**11.9**	15.8	0.76	0.78	0.39	<0.02	0.2	0.19	1.10	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_QC204_210128	Interlab_D	Region 3	NSW_0908_PFASOMP	0.2	*4.3*	3.4	**7.7**	-	0.55	0.47	0.19	<0.01	0.12	0.14	0.7	0.09	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW060	28 Jan 2021	0908_SW060_2101281647	Normal	Region 3	NSW_0908_PFASOMP	0.32	*7.59*	4.71	**12.3**	16.1	0.69	0.86	0.45	<0.02	0.1	0.18	1.09	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281747	Normal	Region 3	NSW_0908_PFASOMP	0.26	*6.81*	4.28	**11.1**	14.2	0.58	0.65	0.34	<0.02	0.1	0.16	0.89	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281847	Normal	Region 3	NSW_0908_PFASOMP	0.25	*6.2*	3.9	**10.1**	13.1	0.56	0.64	0.32	<0.02	0.1	0.14	0.86	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101281947	Normal	Region 3	NSW_0908_PFASOMP	0.29	*6.5*	4.3	**10.8**	14.3	0.64	0.75	0.38	<0.02	0.1	0.17	0.99	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282047	Normal	Region 3	NSW_0908_PFASOMP	0.30	*6.72*	4.41	**11.1**	14.6	0.63	0.75	0.40	<0.02	0.1	0.17	0.99	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282147	Normal	Region 3	NSW_0908_PFASOMP	0.34	*7.64*	5.26	**12.9**	16.9	0.76	0.87	0.48	<0.02	0.1	0.20	1.11	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282247	Normal	Region 3	NSW_0908_PFASOMP	0.37	*8.6*	5.43	**14**	18.3	0.72	1.02	0.51	<0.02	0.1	0.20	1.20	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	28 Jan 2021	0908_SW060_2101282347	Normal	Region 3	NSW_0908_PFASOMP	0.42	*9.34*	6.3	**15.6**	20.6	0.78	1.08	0.63	<0.02	0.2	0.24	1.36	0.21	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_QC100_210129	Field_D	Region 3	NSW_0908_PFASOMP	0.50	*12.8*	7.19	**20**	25.8	0.93	1.23	0.73	<0.02	0.2	0.32	1.71	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_210129	Normal	Region 3	NSW_0908_PFASOMP	0.52	*12.1*	7.47	**19.6**	25.6	0.96	1.25	0.74	<0.02	0.2	0.35	1.81	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290047	Normal	Region 3	NSW_0908_PFASOMP	0.48	*10.2*	6.72	**16.9**	22.4	0.83	1.29	0.68	<0.02	0.2	0.26	1.52	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290147	Normal	Region 3	NSW_0908_PFASOMP	0.50	*12*	7.35	**19.4**	25.0	0.84	1.24	0.78	<0.02	0.2	0.28	1.53	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290247	Normal	Region 3	NSW_0908_PFASOMP	0.51	*12.8*	7.53	**20.3**	26.3	0.88	1.40	0.81	<0.02	0.2	0.30	1.63	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290347	Normal	Region 3	NSW_0908_PFASOMP	0.52	*12.7*	7.47	**20.2**	26.2	0.87	1.39	0.80	<0.02	0.2	0.30	1.63	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290447	Normal	Region 3	NSW_0908_PFASOMP	0.57	*15.2*	8.09	**23.3**	29.8	0.92	1.46	0.90	<0.02	0.2	0.33	1.79	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290547	Normal	Region 3	NSW_0908_PFASOMP	0.51	*12.3*	7.35	**19.6**	25.7	0.94	1.34	0.82	<0.02	0.2	0.31	1.66	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290647	Normal	Region 3	NSW_0908_PFASOMP	0.60	*14.5*	7.88	**22.4**	28.9	0.99	1.48	0.84	<0.02	0.2	0.35	1.80	0.30	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290747	Normal	Region 3	NSW_0908_PFASOMP	0.50	*13.4*	6.72	**20.1**	25.9	0.85	1.25	0.79	<0.02	0.2	0.31	1.61	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290847	Normal	Region 3	NSW_0908_PFASOMP	0.52	*12.7*	7.74	**20.4**	26.3	0.90	1.25	0.76	<0.02	0.2	0.32	1.66	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101290947	Normal	Region 3	NSW_0908_PFASOMP	0.49	*12.2*	6.83	**19**	24.8	0.87	1.22	0.74	<0.02	0.2	0.31	1.64	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291047	Normal	Region 3	NSW_0908_PFASOMP	0.52	*12.2*	6.84	**19**	25.0	0.88	1.32	0.77	<0.02	0.2	0.31	1.66	0.26	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291147	Normal	Region 3	NSW_0908_PFASOMP	0.48	*10.6*	6.43	**17**	22.5	0.86	1.02	0.69	<0.02	0.2	0.28	1.75	0.22	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291247	Normal	Region 3	NSW_0908_PFASOMP	0.53	*13.1*	7.16	**20.3**	26.6	0.92	1.25	0.78	<0.02	0.3	0.34	2.02	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291347	Normal	Region 3	NSW_0908_PFASOMP	0.56	*12.6*	9.26	**21.9**	29.7	1.34	1.75	0.80	<0.02	0.3	0.39	2.38	0.29	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291447	Normal	Region 3	NSW_0908_PFASOMP	0.44	*8.18*	6.72	**14.9**	21.1	1.13	1.01	0.58	<0.02	0.6	0.34	1.90	0.24	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	29 Jan 2021	0908_SW060_2101291547	Normal	Region 3	NSW_0908_PFASOMP	0.36	*9.16*	5.68	**14.8**	19.5	0.87	0.90	0.55	<0.02	0.2	0.22	1.37	0.17	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Feb 2021	0908_SW060_210219	Normal	Region 3	NSW_0908_PFASOMP	0.95	*18.7*	10.4	**29.1**	40.2	1.42	1.78	1.46	<0.02	0.6	0.66	3.83	0.42	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	26 Mar 2021	0908_QC100_210326	Field_D	Region 3	NSW_0908_PFASOMP	0.12	*4.28*	1.58	**5.86**	6.86	0.12	0.14	0.14	<0.02	<0.1	0.08	0.35	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	26 Mar 2021	0908_QC200_210326	Interlab_D	Region 3	NSW_0908_PFASOMP	0.086	*2.8*	1.4	**4.2**	-	0.1	0.12	0.093	<0.01	0.063	0.067	0.26	0.039	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW060	26 Mar 2021	0908_SW060_210326	Normal	Region 3	NSW_0908_PFASOMP	0.12	*4.26*	1.58	**5.84**	6.84	0.11	0.14	0.14	<0.02	<0.1	0.08	0.36	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	23 Apr 2021	0908_SW060_210423	Normal	Region 3	NSW_0908_PFASOMP	0.62	*12*	8.75	**20.8**	26.6	0.64	0.98	0.64	<0.02	0.3	0.39	2.03	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	11 May 2021	0908_SW060_210511	Normal	Region 3	NSW_0908_PFASOMP	0.59	*10.7*	6.08	**16.8**	21.6	0.53	0.68	0.62	<0.02	0.2	0.31	1.64	0.25	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	25 Jun 2021	0908_SW060_210625	Normal	Region 3	NSW_0908_PFASOMP	0.79	*14.9*	8.06	**23**	29.0	0.63	0.96	0.78	<0.02	0.2	0.40	2.00	0.31	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	30 Jul 2021	0908_SW060_210730	Normal	Region 3	NSW_0908_PFASOMP	0.69	*15.3*	6.94	**22.2**	27.6	0.58	0.64	0.69	<0.02	0.2	0.33	1.91	0.27	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	20 Aug 2021	0908_SW060_210820	Normal	Region 3	NSW_0908_PFASOMP	0.81	*10.5*	4.21	**14.7**	21.7	0.72	1.10	0.87	<0.02	0.3	0.47	2.43	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	27 Sep 2021	0908_SW060_210927	Normal	Region 3	NSW_0908_PFASOMP	0.66	*13*	8.29	**21.3**	28.5	0.86	1.14	0.85	<0.02	<0.1	0.49	2.84	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	25 Oct 2021	0908_SW060_211025	Normal	Region 3	NSW_0908_PFASOMP	0.85	*16.3*	8.41	**24.7**	34.2	1.07	1.42	0.94	<0.02	0.5	0.77	3.50	0.43	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	15 Nov 2021	0908_SW060_211115	Normal	Region 3	NSW_0908_PFASOMP	0.62	*13.4*	8.04	**21.4**	29.7	1.22	1.14	0.63	<0.02	0.4	0.60	3.29	0.34	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	18 May 2022	0908_SW060_220518	Normal	Region 3	NSW_0908_PFASOMP	0.31	*7.21*	3.9	**11.1**	14.1	0.35	0.50	0.35	<0.02	0.1	0.18	1.04	0.15	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Nov 2022	0908_QC109_221109	Field_D	Region 3	NSW_0908_PFASOMP	0.62	*16.1*	7.12	**23.2**	28.9	0.61	0.68	0.75	<0.02	0.2	0.38	2.14	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	09 Nov 2022	0908_QC209_221109	Interlab_D	Region 3	NSW_0908_PFASOMP	0.57	*16*	6	**22**	27	0.60	0.72	0.62	<0.02	0.21	0.34	1.7	0.25	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW060	09 Nov 2022	0908_SW060_221109	Normal	Region 3	NSW_0908_PFASOMP	0.60	*16.3*	6.9	**23.2**	28.6	0.56	0.92	0.71	<0.02	0.2	0.30	1.80	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	11 May 2023	0908_SW060_230511	Normal	Region 3	NSW_0908_PFASOMP_23	0.79	*15*	13.4	**28.4**	38.7	1.66	2.32	0.80	<0.02	0.4	0.57	3.35	0.44	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	23 Nov 2023	0908_SW060_231123	Normal	Region 3	NSW_0908_PFASOMP_23	0.09	*1.2*	1.96	**3.16**	4.40	0.22	0.22	0.12	<0.02	<0.1	0.07	0.47	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	22 Apr 2024	0908_SW060_240422	Normal	Region 3	NSW_0908_PFASOMP_24	0.49	*9.73*	10.4	**20.1**	28.0	1.19	1.85	0.62	<0.02	0.4	0.44	2.15	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Sep 2024	0908_QC101_240919	Field_D	Region 3	NSW_0908_PFASOMP_24	0.85	*17.8*	9.12	**26.9**	34.3	0.79	1.31	0.92	<0.02	0.3	0.42	2.16	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW060	19 Sep 2024	0908_QC201_240919	Interlab_D	Region 3	NSW_0908_PFASOMP_24	0.78	*21*	11	**32**	39	0.82	1.1	1.1	<0.02	0.22	0.40	1.9	0.35	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW060	19 Sep 2024	0908_SW060_240919	Normal	Region 3	NSW_0908_PFASOMP_24	0.76	*17.8*	8.1	**25.9**	32.4	0.63	0.84	0.63	<0.02	0.3	0.49	2.25	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	17 Jun 2014	DD5_WATER	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.11*	0.41	0.52	-	0.15	-	-	<0.01	-	0.07	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	-	<0.05	<0.05	-	-	<0.05	-	-
SW062	13 Jan 2016	DD5_SW_1312016	Normal	Region 3	NSW_0908_PFAS	<0.002	*0.088*	-	0.088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-	-
SW062	14 Dec 2016	DD5_SW_161214	Normal	Region 3	NSW_0908_PFAS	<0.05	*0.76*	0.8	1.56	2.06	0.1	0.18	<0.05	<0.05	<0.1	<0.05	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW062	12 Apr 2018	DD5_SW_12042018	Normal	Region 3	NSW_0908_PFAS	0.09	*2.69*	1.21	**3.9**	4.64	0.11	0.12	0.09	<0.02	<0.1	0.07	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_DD5_SW_181207	Normal	Region 3	NSW_0908_PFAS	0.1	*2.64*	1.35	**3.99**	4.86	0.13	0.14	0.1	<0.02	<0.1	0.08	0.26	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																													
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																															

Location Code	Date	Field ID	Sample Type	Region	Project ID																														
SW062	07 Dec 2018	0908_QC110_SW_181207	Field_D	Region 3	NSW_0908_PFAS	0.1	*2.35*	1.17	**3.52**	4.36	0.11	0.15	0.1	<0.02	<0.1	0.06	0.27	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Dec 2018	0908_QC205_SW_181207	Interlab_D	Region 3	NSW_0908_PFAS	0.07	*2*	1.1	**3.1**	-	0.091	0.098	0.061	<0.01	<0.05	0.071	0.19	0.047	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.021	<0.01	<0.01	<0.01	<0.02	<0.01	<0.02	<0.01	<0.05
SW062	13 Jun 2019	0908_DD5_SW_190613	Normal	Region 3	NSW_0908_PFAS	0.03	*1.07*	0.53	1.6	1.97	0.08	0.1	0.04	<0.02	<0.1	<0.02	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.02	<0.05
SW062	06 Nov 2019	0908_DD5_SW_191106	Normal	Region 3	NSW_0908_PFASOMP	0.06	*1.4*	0.78	**2.18**	2.91	0.11	0.14	0.05	<0.02	<0.1	0.09	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	02 Jun 2020	0908_SW062_200602	Normal	Region 3	NSW_0908_PFASOMP	0.12	*2.63*	1.96	**4.59**	5.85	0.28	0.26	0.06	<0.02	<0.1	0.11	0.36	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	20 Nov 2020	0908_SW062_201120	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.12*	0.15	0.27	0.32	0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	11 May 2021	0908_SW062_210511	Normal	Region 3	NSW_0908_PFASOMP	0.09	*2.32*	1.47	**3.79**	4.91	0.12	0.14	0.10	<0.02	<0.1	0.13	0.40	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.07	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	17 Nov 2021	0908_QC211_211117	Interlab_D	Region 3	NSW_0908_PFASOMP	<0.01	*0.05*	0.12	0.17	0.21	0.01	0.01	<0.01	<0.02	<0.02	<0.02	0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW062	17 Nov 2021	0908_SW062_211117	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.08*	0.13	0.21	0.25	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	16 May 2022	0908_SW062_220516	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.12*	0.22	0.34	0.41	<0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	07 Nov 2022	0908_SW062_221107	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.13*	0.08	0.21	0.21	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	11 May 2023	0908_SW062_230511	Normal	Region 3	NSW_0908_PFASOMP_23	<0.01	*0.12*	0.21	0.33	0.41	0.03	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	23 Nov 2023	0908_SW062_231123	Normal	Region 3	NSW_0908_PFASOMP_23	0.52	*10*	8.46	**18.5**	26.6	1.08	1.10	0.70	<0.02	0.4	0.57	3.50	0.28	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	22 Apr 2024	0908_SW062_240422	Normal	Region 3	NSW_0908_PFASOMP_24	0.03	*0.82*	0.72	1.54	2.02	0.07	0.10	0.04	<0.02	<0.1	0.06	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW062	20 Sep 2024	0908_SW062_240920	Normal	Region 3	NSW_0908_PFASOMP_24	0.03	*0.6*	0.51	1.11	1.38	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	14 Jan 2016	TC2_SW_1412016	Normal	Region 3	NSW_0908_PFAS	0.008	*0.11*	-	0.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW079	14 Dec 2016	TC2_SW_161214	Normal	Region 3	NSW_0908_PFAS	0.03	*0.52*	0.88	1.4	1.78	0.11	0.1	0.05	<0.02	<0.1	<0.02	0.05	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	02 Feb 2017	TC2_SW_020217	Normal	Region 3	NSW_0908_PFAS	<0.05	*1.34*	0.35	1.69	1.69	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.25	<0.25	<0.25	<0.25	<0.25	<0.1	<0.25	<0.1	<0.25	<0.25	<0.1	<0.25
SW079	09 Feb 2017	TC2_SW_090217	Normal	Region 3	NSW_0908_PFAS	<0.05	*0.4*	0.78	1.18	1.39	0.1	0.06	<0.05	<0.05	<0.2	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	16 Feb 2017	TC2_SW_16022017	Normal	Region 3	NSW_0908_PFAS	<0.05	*0.22*	0.38	0.6	1.07	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	24 Feb 2017	TC2_SW_240217	Normal	Region 3	NSW_0908_PFAS	<0.05	*0.26*	0.36	0.62	0.96	0.1	0.08	<0.05	<0.05	<0.2	0.06	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	03 Mar 2017	TC2_SW_030317	Normal	Region 3	NSW_0908_PFAS	<0.05	*0.44*	0.32	0.76	0.82	0.06	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW079	09 Mar 2017	TC2_SW_090317	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.12*	0.06	0.18	0.18	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 Mar 2017	TC2_SW_20170316	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.06*	0.04	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	23 Mar 2017	TC2_SW_23032017	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.17*	0.49	0.66	0.83	0.06	0.06	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	30 Mar 2017	TC2_SW_300317	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.21*	0.52	0.73	0.93	0.06	0.07	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	05 Apr 2017	TC2_SW_050417	Normal	Region 3	NSW_0908_PFAS	0.02	*0.15*	0.65	0.8	0.97	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	04 May 2017	TC2_SW_040517	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.18*	0.53	0.71	-	0.04	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	01 Jun 2017	TC2_SW_010617	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.24*	0.61	0.85	0.93	0.03	0.05	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	20 Jul 2017	TC2_SW_200717	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.15*	0.5	0.65	0.81	0.03	0.05	<0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	12 Apr 2018	TC2_SW_12042018	Normal	Region 3	NSW_0908_PFAS	0.02	*0.29*	0.49	0.78	0.96	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	06 Dec 2018	0908_TC2_SW_181206	Normal	Region 3	NSW_0908_PFAS	0.02	*0.53*	0.38	0.91	1.13	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	13 Jun 2019	0908_TC2_SW_190613	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.22*	0.25	0.47	0.57	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	05 Nov 2019	0908_TC2_SW_191105	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.05*	<0.02	0.05	0.05	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	02 Jun 2020	0908_SW079_200602	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.12*	0.5	0.62	0.81	0.05	0.05	<0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	26 Nov 2020	0908_SW079_201126	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.28*	0.24	0.52	0.61	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	11 May 2021	0908_SW079_210511	Normal	Region 3	NSW_0908_PFASOMP	0.01	*0.21*	0.32	0.53	0.67	0.04	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	12 Nov 2021	0908_SW079_211112	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.23*	0.17	0.4	0.49	0.04	0.02	<0.02	<0.02	<0.1	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 May 2022	0908_SW079_220516	Normal	Region 3	NSW_0908_PFASOMP	0.01	*0.4*	0.37	0.77	0.93	0.04	0.05	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	07 Nov 2022	0908_SW079_221107	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.35*	0.19	0.54	0.66	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	09 May 2023	0908_SW079_230509	Normal	Region 3	NSW_0908_PFASOMP_23	<0.01	*0.21*	0.27	0.48	0.61	0.05	0.04	<0.02	<0.02	<0.1	<0.02	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	21 Nov 2023	0908_QC102_231121	Field_D	Region 3	NSW_0908_PFASOMP_23	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	21 Nov 2023	0908_QC202_231121	Interlab_D	Region 3	NSW_0908_PFASOMP_23	<0.01	<0.01	0.01	0.01	0.03	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.02	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW079	21 Nov 2023	0908_SW079_231121	Normal	Region 3	NSW_0908_PFASOMP_23	0.02	*0.46*	0.33	0.79	1.03	0.03	0.03	0.02	<0.02	<0.1	0.03	0.09	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	16 Apr 2024	0908_SW079_240416	Normal	Region 3	NSW_0908_PFASOMP_24	0.01	*0.23*	0.51	0.74	0.96	0.05	0.06	<0.02	<0.02	<0.1	<0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW079	25 Sep 2024	0908_SW079_240925	Normal	Region 3	NSW_0908_PFASOMP_24	<0.01	*0.15*	0.28	0.43	0.57	0.04	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	13 Jan 2016	TFD1_SW_1312016	Normal	Region 3	NSW_0908_PFAS	<0.002	*0.007*	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-	-
SW081	14 Dec 2016	TFD1_SW_161214	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.02*	<0.02	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.04*	<0.02	0.06	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Apr 2018	TFD1_SW_12042018	Normal	Region 3	NSW_0908_PFAS	-	-	-	0.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW081	06 Dec 2018	0908_TFD1_SW_181206	Normal	Region 3	NSW_0908_PFAS	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	Region 3	NSW_0908_PFAS	<0.01	*0.1*	<0.02	0.1	0.1	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	14 Jun 2019	0908_TFD1_SW_190614	Normal	Region 3	NSW_0908_PFAS	-	-	-	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW081	05 Nov 2019	0908_QC105_191105	Field_D	Region 3	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	05 Nov 2019	0908_QC205_191105	Interlab_D	Region 3	NSW_0908_PFASOMP	<0.01	*0.031*	0.016	0.047	-	<0.01	<0.01	<0.01	<0.01	<0.05	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW081	05 Nov 2019	0908_TFD1_SW_191105	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	02 Jun 2020	0908_SW081_200602	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	12 Nov 2020	0908_SW081_201112	Normal	Region 3	NSW_0908_PFASOMP	<0.01	*0.03*	0.03	0.06	0.06	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	11 May 2021	0908_SW081_210511	Normal	Region 3	NSW_0908_PFASOMP	<0.01	<0.01	<0.02	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						10			2																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																													
SW081	30 Nov 2021	0908_SW081_211130	Normal	Region 3	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	16 May 2022	0908_SW081_220516	Normal	Region 3	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	08 Nov 2022	0908_SW081_221108	Normal	Region 3	NSW_0908_PFASOMP	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	11 May 2023	0908_SW081_230511	Normal	Region 3	NSW_0908_PFASOMP_23	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	23 Nov 2023	0908_SW081_231123	Normal	Region 3	NSW_0908_PFASOMP_23	<0.01	*0.02*	0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	23 Apr 2024	0908_SW081_240423	Normal	Region 3	NSW_0908_PFASOMP_24	<0.01	*0.05*	0.11	0.16	0.16	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW081	20 Sep 2024	0908_SW081_240920	Normal	Region 3	NSW_0908_PFASOMP_24	<0.01	*0.02*	<0.01	0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	23 Jun 2014	LC1_WATER	Normal	-	NSW_0908_PFAS	0.13	*0.25*	0.67	0.92	-	0.07	-	-	<0.01	-	0.04	0.35	0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	-	-	<0.05	-	-
SW108	20 Nov 2015	LC_SW_20112015	Normal	-	NSW_0908_PFAS	0.236	*13.4*	-	**13.4**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	-	-	-	-	-	-	-	-
SW108	14 Jan 2016	LC_SW_1412016	Normal	-	NSW_0908_PFAS	0.191	*10.6*	-	**10.6**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.01	-	-	-	-	-	-	-	-
SW108	14 Sep 2016	LC_140916	Normal	-	NSW_0908_PFAS	0.12	*11*	1.2	**12.2**	-	0.072	0.11	0.12	<0.01	<0.5	0.081	0.3	0.038	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.013	<0.01	-	<0.01	<0.02	<0.01	<0.2	<0.01	<0.05	<0.2
SW108	16 Dec 2016	LC_SW_161216	Normal	-	NSW_0908_PFAS	0.1	*8.76*	1.48	**10.2**	11.1	0.12	0.12	0.14	<0.02	<0.1	0.07	0.33	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	16 Dec 2016	LC_SW_161216	Normal	-	NSW_0908_PFAS	-	-	-	**10.24**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	03 Feb 2017	LC_SW_030217	Normal	-	NSW_0908_PFAS	0.1	*7.97*	0.77	**8.74**	9.53	0.06	0.09	0.04	<0.02	<0.1	<0.02	0.46	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Feb 2017	QC405_SW_030217	Field_D	-	NSW_0908_PFAS	0.11	*9.13*	1.14	**10.27**	11.3	0.07	0.09	0.05	<0.02	<0.1	0.13	0.55	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Feb 2017	QC405_SW_030217	Field_D	-	NSW_0908_PFAS	-	-	-	**10.3**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	10 Feb 2017	LC_SW_100217	Normal	-	NSW_0908_PFAS	0.12	*4.85*	1.43	**6.28**	7.72	0.11	0.14	0.13	<0.05	<0.2	0.36	0.5	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW108	10 Feb 2017	QC406_SW_100217	Field_D	-	NSW_0908_PFAS	0.1	*4.55*	1.38	**5.93**	7.28	0.11	0.14	0.12	<0.05	<0.2	0.32	0.48	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW108	10 Feb 2017	QC505_SW_100217	Interlab_D	-	NSW_0908_PFAS	-	-	-	**3.91**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW108	17 Feb 2017	LC_SW_17022017	Normal	-	NSW_0908_PFAS	0.11	*6.28*	1.4	**7.68**	8.9	0.12	0.12	0.09	<0.02	<0.1	0.16	0.56	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	24 Feb 2017	LC_SW_240217	Normal	-	NSW_0908_PFAS	0.09	*3.23*	1.2	**4.43**	5.46	0.1	0.1	0.06	<0.02	<0.1	0.16	0.49	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	03 Mar 2017	LC_SW_030317	Normal	-	NSW_0908_PFAS	0.07	*2.8*	0.9	**3.7**	4.51	<0.02	0.06	0.05	<0.02	<0.1	0.15	0.46	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Mar 2017	LC_SW_100317	Normal	-	NSW_0908_PFAS	0.08	*4.01*	0.89	**4.9**	5.76	0.05	0.07	0.05	<0.02	<0.1	0.13	0.4	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	17 Mar 2017	LC_SW_20170317	Normal	-	NSW_0908_PFAS	0.06	*3.67*	1.08	**4.75**	5.56	0.07	0.08	0.06	<0.02	<0.1	0.12	0.38	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	23 Mar 2017	LC_SW_220317	Normal	-	NSW_0908_PFAS	0.06	*2.38*	0.86	**3.24**	3.97	0.05	0.07	0.05	<0.02	<0.1	0.11	0.35	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	31 Mar 2017	LC_SW_310317	Normal	-	NSW_0908_PFAS	0.06	*3.28*	0.89	**4.17**	4.76	0.04	0.06	0.04	<0.02	<0.1	0.11	0.26	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	LC_SW_070417	Normal	-	NSW_0908_PFAS	0.08	*3.14*	1.17	**4.31**	5.04	0.06	0.08	0.06	<0.02	<0.1	0.13	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	QC416_SW_070417	Field_D	-	NSW_0908_PFAS	0.08	*3.42*	1.21	**4.63**	5.35	0.06	0.09	0.06	<0.02	<0.1	0.12	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Apr 2017	QC516_SW_070417	Interlab_D	-	NSW_0908_PFAS	0.054	*2.6*	0.77	**3.37**	-	0.045	-	-	<0.02	0.057	0.13	0.27	0.032	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW108	05 May 2017	LC_SW_050517	Normal	-	NSW_0908_PFAS	0.08	*4.64*	1.54	**6.18**	-	0.06	0.11	0.09	<0.02	<0.1	<0.02	0.3	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	02 Jun 2017	LC_SW_020617	Normal	-	NSW_0908_PFAS	0.07	*3.47*	1.06	**4.53**	5.42	0.08	0.08	0.05	<0.02	<0.1	0.18	0.3	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	21 Jul 2017	LC_SW_210717	Normal	-	NSW_0908_PFAS	0.07	*5.29*	0.99	**6.28**	6.85	0.04	0.07	0.06	<0.02	<0.1	0.1	0.19	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	12 Apr 2018	LC_SW_13042018	Normal	-	NSW_0908_PFAS	0.09	*4.8*	0.92	**5.72**	6.48	0.04	0.07	0.06	<0.02	<0.1	0.12	0.28	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.06	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	07 Dec 2018	0908_LC_SW_181207	Normal	-	NSW_0908_PFAS	0.1	*4.85*	0.92	**5.77**	6.72	0.05	0.07	0.07	<0.02	<0.1	0.21	0.4	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	14 Jun 2019	0908_LC_SW_190614	Normal	-	NSW_0908_PFAS	0.07	*4.11*	0.8	**4.91**	5.85	0.04	0.06	0.06	<0.02	<0.1	0.12	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.32	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	06 Nov 2019	0908_LC_SW_191106	Normal	-	NSW_0908_PFASOMP	0.10	*4.48*	1.28	**5.76**	7.28	0.11	0.08	0.08	<0.02	<0.1	0.19	0.58	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	22 May 2020	0908_SW108_200522	Normal	-	NSW_0908_PFASOMP	0.08	*5.8*	0.92	**6.72**	7.84	0.06	0.07	0.08	<0.02	<0.1	0.13	0.29	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.35	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	27 Nov 2020	0908_SW108_201127	Normal	-	NSW_0908_PFASOMP	0.16	*8.73*	1.98	**10.7**	12.1	0.06	0.11	0.13	<0.02	<0.1	0.21	0.54	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	11 May 2021	0908_SW108_210511	Normal	-	NSW_0908_PFASOMP	0.10	*6.34*	1.14	**7.48**	8.28	0.04	0.07	0.08	<0.02	<0.1	0.10	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	16 Nov 2021	0908_SW108_211116	Normal	-	NSW_0908_PFASOMP	0.09	*4.73*	1.03	**5.76**	6.71	0.06	0.07	0.06	<0.02	<0.1	0.10	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	19 May 2022	0908_QC110_220519	Field_D	-	NSW_0908_PFASOMP	0.08	*6.98*	0.79	**7.77**	8.41	0.03	0.06	0.06	<0.02	<0.1	0.07	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.10	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	19 May 2022	0908_SW108_220519	Normal	-	NSW_0908_PFASOMP	0.09	*7.71*	0.89	**8.6**	9.30	0.03	0.06	0.07	<0.02	<0.1	0.07	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.11	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Nov 2022	0908_QC114_221110	Field_D	-	NSW_0908_PFASOMP	0.08	*4*	1.13	**5.13**	5.73	0.05	0.07	0.08	<0.02	<0.1	0.06	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 Nov 2022	0908_QC214_221110	Interlab_D	-	NSW_0908_PFASOMP	0.08	*4.2*	0.98	**5.2**	5.8	0.09	0.07	0.09	<0.02	<0.02	0.05	0.18	0.04	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW108	10 Nov 2022	0908_SW108_221110	Normal	-	NSW_0908_PFASOMP	0.10	*4.48*	1	**5.48**	6.12	0.05	0.09	0.09	<0.02	<0.1	0.05	0.21	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	10 May 2023	0908_SW108_230510	Normal	-	NSW_0908_PFASOMP_23	0.11	*10.6*	1.1	**11.7**	12.6	0.06	0.08	0.12	<0.02	<0.1	0.11	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	22 Nov 2023	0908_SW108_231122	Normal	-	NSW_0908_PFASOMP_23	0.08	*5.54*	0.83	**6.37**	6.86	0.03	0.04	0.06	<0.02	<0.1	0.05	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	18 Apr 2024	0908_SW108_240418	Normal	-	NSW_0908_PFASOMP_24	0.05	*3.12*	0.67	**3.79**	4.20	0.03	0.05	0.04	<0.02	<0.1	0.06	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW108	24 Sep 2024	0908_SW108_240924	Normal	-	NSW_0908_PFASOMP_24	0.11	*7.44*	0.96	**8.4**	9.57	0.04	0.05	0.06	<0.02	<0.1	0.12	0.33	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.31	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	LC_B_SW_161216	Normal	-	NSW_0908_PFAS	0.1	*9.46*	1.43	**10.89**	11.8	0.12	0.13	0.12	<0.02	<0.1	0.08	0.36	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	LC_B_SW_161216	Normal	-	NSW_0908_PFAS	-	-	-	**10.9**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW110	16 Dec 2016	QC402_SW_161216	Field_D	-	NSW_0908_PFAS	0.12	*9.82*	1.58	**11.4**	12.3	0.13	0.11	0.12	<0.02	<0.1	0.08	0.37	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Dec 2016	QC502_WS_161216	Interlab_D	-	NSW_0908_PFAS	0.087	*14*	1.2	**15.2**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SW110	12 Apr 2018	LC_B_SW_13042018	Normal	-	NSW_0908_PFAS	0.08	*3.46*	0.81	**4.27**	4.89	0.04	0.05	0.05	<0.02	<0.1	0.12	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	07 Dec 2018	0908_LC_B_SW_181207	Normal	-	NSW_0908_PFAS	0.1	*5.41*	0.91	**6.32**	7.29	0.05	0.07	0.07	<0.02	<0.1	0.22	0.41	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_LC_B_SW_190614	Normal	-	NSW_0908_PFAS	0.05	*1.64*	0.6	**2.24**	2.88	0.04	0.06	0.04	<0.02	<0.1	0.1	0.2	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.12	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_QC121_190614	Field_D	-	NSW_0908_PFAS	0.06	*1.9*	0.78	**2.68**	3.48	0.04	0.06	0.04	<0.02	<0.1	0.12	0.27	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.17	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	14 Jun 2019	0908_QC221_190614	Interlab_D	-	NSW_0908_PFAS	0.057	*1.7*	0.72	**2.42**	-	0.046	0.051	0.033	<0.01	0.056	0.12	0.23	0.044	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.16	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW110	06 Nov 2019	0908_LC_B_SW_191106	Normal	-	NSW_0908_PFASOMP	0.09	*3.39*	1.04	**4.43**	5.62	0.08	0.05	0.07	<0.02	<0.1	0.15	0.46	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																										
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																												

Location Code	Date	Field ID	Sample Type	Region	Project ID																											
SW110	22 May 2020	0908_SW110_200522	Normal	-	NSW_0908_PFASOMP	0.08	*4.42*	1	**5.42**	6.44	0.06	0.08	0.07	<0.02	<0.1	0.13	0.32	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.23	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	27 Nov 2020	0908_SW110_201127	Normal	-	NSW_0908_PFASOMP	0.16	*12.3*	1.96	**14.3**	16.7	0.07	0.10	0.13	0.92	<0.1	0.20	0.57	0.07	<0.02	<0.02	0.03	0.04	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	0.09	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	11 May 2021	0908_SW110_210511	Normal	-	NSW_0908_PFASOMP	0.10	*5.24*	1.1	**6.34**	7.14	0.05	0.07	0.08	<0.02	<0.1	0.09	0.28	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.08	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	16 Nov 2021	0908_SW110_211116	Normal	-	NSW_0908_PFASOMP	0.09	*5.96*	0.96	**6.92**	7.87	0.07	0.07	0.05	<0.02	<0.1	0.10	0.35	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.16	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	19 May 2022	0908_SW110_220519	Normal	-	NSW_0908_PFASOMP	0.08	*5.33*	0.86	**6.19**	6.86	0.03	0.06	0.06	<0.02	<0.1	0.08	0.22	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.09	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	10 Nov 2022	0908_SW110_221110	Normal	-	NSW_0908_PFASOMP	0.09	*5.41*	1.08	**6.49**	7.08	0.04	0.06	0.09	<0.02	<0.1	0.05	0.22	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	10 May 2023	0908_SW110_230510	Normal	-	NSW_0908_PFASOMP_23	0.11	*8.55*	1.13	**9.68**	10.5	0.05	0.08	0.11	<0.02	<0.1	0.10	0.28	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	22 Nov 2023	0908_SW110_231122	Normal	-	NSW_0908_PFASOMP_23	0.11	*7.61*	1.13	**8.74**	9.47	0.04	0.06	0.09	<0.02	<0.1	0.07	0.32	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	18 Apr 2024	0908_SW110_240418	Normal	-	NSW_0908_PFASOMP_24	0.05	*2.74*	0.59	**3.33**	3.69	0.02	0.04	0.03	<0.02	<0.1	0.06	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW110	25 Sep 2024	0908_SW110_240925	Normal	-	NSW_0908_PFASOMP_24	0.10	*5.84*	0.95	**6.79**	7.92	0.04	0.06	0.06	<0.02	<0.1	0.12	0.30	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.34	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	17 Feb 2017	FCD4_SW_17022017	Normal	Marine	NSW_0908_PFAS	<0.05	*0.08*	<0.05	0.08	0.08	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	24 Feb 2017	FCD4_SW_240217	Normal	Marine	NSW_0908_PFAS	<0.05	*0.38*	0.1	0.48	0.48	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	03 Mar 2017	FCD4_SW_030317	Normal	Marine	NSW_0908_PFAS	<0.05	*0.15*	<0.05	0.15	1.39	<0.05	<0.05	<0.05	<0.05	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	10 Mar 2017	FCD4_SW_100317	Normal	Marine	NSW_0908_PFAS	<0.05	*0.39*	0.22	0.61	0.68	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	0.07	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	16 Mar 2017	FCD4_SW_20170316	Normal	Marine	NSW_0908_PFAS	<0.05	*0.33*	0.24	0.57	0.57	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	24 Mar 2017	FCD4_SW_24/3/17	Normal	Marine	NSW_0908_PFAS	<0.01	*0.28*	0.31	0.59	0.75	0.06	0.05	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	FCD4_SW_310317	Normal	Marine	NSW_0908_PFAS	0.02	*0.42*	0.44	0.86	1.12	0.06	0.07	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	QC415_SW_310317	Field_D	Marine	NSW_0908_PFAS	0.02	*0.4*	0.44	0.84	1.08	0.06	0.06	0.02	<0.02	<0.1	<0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	31 Mar 2017	QC515_SW_310317	Interlab_D	Marine	NSW_0908_PFAS	0.022	*0.39*	0.52	0.91	-	0.064	-	-	<0.02	<0.05	<0.02	0.095	<0.01	<0.01	<0.02	<0.02	<0.02	<0.05	<0.05	-	<0.05	<0.05	-	<0.02	-	-	-	-	-	-
SW259	07 Apr 2017	FCD4_SW_070417	Normal	Marine	NSW_0908_PFAS	0.04	*0.56*	1.1	1.66	2.18	0.15	0.14	0.04	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	02 Jun 2017	FCD4_SW_020617	Normal	Marine	NSW_0908_PFAS	0.01	*0.67*	1.62	**2.29**	2.64	0.1	0.14	0.04	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Jul 2017	FCD4_SW_210717	Normal	Marine	NSW_0908_PFAS	0.1	*1.97*	1.44	**3.41**	4.22	0.11	0.15	0.1	<0.02	<0.1	0.05	0.25	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	12 Apr 2018	FCD4_SW_13042018	Normal	Marine	NSW_0908_PFAS	0.04	*0.8*	0.82	1.62	2.03	0.09	0.08	0.03	<0.02	<0.1	0.03	0.12	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	07 Dec 2018	0908_FCD4_SW_181207	Normal	Marine	NSW_0908_PFAS	0.01	*0.24*	0.2	0.44	0.55	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	14 Jun 2019	0908_FCD4_SW_190614	Normal	Marine	NSW_0908_PFAS	<0.05	*0.26*	0.56	0.82	1.02	0.1	0.1	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	08 Nov 2019	0908_FCD4_SW_191108	Normal	Marine	NSW_0908_PFASOMP	<0.05	*0.84*	0.91	1.75	2.09	0.10	0.12	<0.05	<0.05	<0.2	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.05	<0.05	<0.05	<0.05	<0.12	<0.05	<0.12	<0.12	<0.05	<0.12
SW259	25 May 2020	0908_SW259_200525	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.3*	0.66	0.96	1.40	0.11	0.12	0.02	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	13 Nov 2020	0908_SW259_201113	Normal	Marine	NSW_0908_PFASOMP	0.06	*1.63*	1.03	**2.66**	3.31	0.08	0.12	0.06	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	18 Dec 2020	0908_SW259_201218	Normal	Marine	NSW_0908_PFASOMP	<0.01	*0.13*	0.12	0.25	0.27	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211601	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.57*	0.59	1.16	1.46	0.05	0.06	0.03	<0.02	<0.1	0.03	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211701	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.57*	0.58	1.15	1.45	0.06	0.06	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211801	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.46*	0.48	0.94	1.19	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012211901	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.42*	0.41	0.83	1.06	0.04	0.05	0.02	<0.02	<0.1	0.02	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212001	Normal	Marine	NSW_0908_PFASOMP	0.01	*0.35*	0.32	0.67	0.80	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212101	Normal	Marine	NSW_0908_PFASOMP	0.01	*0.29*	0.28	0.57	0.68	0.02	0.03	<0.02	<0.02	<0.1	<0.02	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212201	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.4*	0.39	0.79	0.98	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	21 Dec 2020	0908_SW259_2012212301	Normal	Marine	NSW_0908_PFASOMP	0.01	*0.36*	0.35	0.71	0.85	0.03	0.04	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220001	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.46*	0.53	0.99	1.26	0.05	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220101	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.48*	0.67	1.15	1.46	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220201	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.65*	0.63	1.28	1.60	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220301	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.58*	0.66	1.24	1.58	0.06	0.07	0.04	<0.02	<0.1	0.03	0.12	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220401	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.45*	0.51	0.96	1.21	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220501	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.53*	0.5	1.03	1.26	0.05	0.05	0.02	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220601	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.48*	0.8	1.28	1.67	0.07	0.08	0.04	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220701	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.51*	0.71	1.22	1.57	0.06	0.07	0.03	<0.02	<0.1	0.03	0.13	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220801	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.58*	0.81	1.39	1.81	0.07	0.08	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012220901	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.36*	0.58	0.94	1.22	0.05	0.06	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221001	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.42*	0.44	0.86	1.05	0.04	0.04	0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221101	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.71*	0.97	1.68	2.18	0.09	0.10	0.04	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221201	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.68*	0.97	1.65	2.14	0.09	0.10	0.04	<0.02	<0.1	0.04	0.16	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221301	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.51*	0.87	1.38	1.82	0.08	0.09	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221401	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.62*	0.8	1.42	1.86	0.08	0.09	0.04	<0.02	<0.1	0.03	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	22 Dec 2020	0908_SW259_2012221501	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.53*	0.63	1.16	1.48	0.06	0.07	0.03	<0.02	<0.1	0.02	0.11	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_210129	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.63*	0.44	1.07	1.36	0.04	0.04	0.03	<0.02	<0.1	0.02	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291630	Normal	Marine	NSW_0908_PFASOMP	0.05	*1.74*	1.16	**2.9**	3.49	0.08	0.11	0.08	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291730	Normal	Marine	NSW_0908_PFASOMP	0.05	*1.31*	0.93	**2.24**	2.81	0.08	0.10	0.06	<0.02	<0.1	0.04	0.20	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291830	Normal	Marine	NSW_0908_PFASOMP	0.05	*1.04*	0.76	1.8	2.29	0.07	0.08	0.05	<0.02	<0.1	0.04	0.16	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101291930	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.91*	0.64	1.55	1.96	0.06	0.07	0.04	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292030	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.95*	0.65	1.6	2.02	0.06	0.07	0.04	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
	Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water	**10**			**2**																											
PFAS NEMP 2020 Freshwater 99%	*19*	*0.00023*																													

Location Code	Date	Field ID	Sample Type	Region	Project ID																													
SW259	29 Jan 2021	0908_SW259_2101292130	Normal	Marine	NSW_0908_PFASOMP	0.04	*1.1*	0.69	1.79	2.23	0.06	0.07	0.05	<0.02	<0.1	0.03	0.16	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292230	Normal	Marine	NSW_0908_PFASOMP	0.04	*1.07*	0.68	1.75	2.18	0.06	0.07	0.05	<0.02	<0.1	0.03	0.15	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	29 Jan 2021	0908_SW259_2101292330	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.95*	0.61	1.56	1.94	0.05	0.06	0.04	<0.02	<0.1	0.03	0.14	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300030	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.7*	0.45	1.15	1.41	0.04	0.05	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300130	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.62*	0.4	1.02	1.23	0.03	0.04	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300230	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.67*	0.48	1.15	1.45	0.04	0.06	0.03	<0.02	<0.1	0.02	0.10	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300330	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.83*	0.57	1.4	1.79	0.06	0.07	0.04	<0.02	<0.1	0.03	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300430	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.69*	0.63	1.32	1.68	0.06	0.06	0.03	<0.02	<0.1	0.03	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300530	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.96*	0.8	1.76	2.28	0.09	0.09	0.05	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300630	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.46*	0.38	0.84	1.09	0.05	0.05	0.02	<0.02	<0.1	0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300730	Normal	Marine	NSW_0908_PFASOMP	0.06	*1*	1.16	**2.16**	2.87	0.10	0.13	0.07	<0.02	<0.1	0.05	0.26	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300830	Normal	Marine	NSW_0908_PFASOMP	0.06	*0.95*	1.16	**2.11**	2.80	0.10	0.13	0.06	<0.02	<0.1	0.05	0.26	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101300930	Normal	Marine	NSW_0908_PFASOMP	0.05	*0.83*	1.01	1.84	2.45	0.09	0.11	0.06	<0.02	<0.1	0.05	0.22	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301030	Normal	Marine	NSW_0908_PFASOMP	0.05	*0.96*	1.1	**2.06**	2.71	0.10	0.12	0.07	<0.02	<0.1	0.05	0.23	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301130	Normal	Marine	NSW_0908_PFASOMP	0.06	*1.01*	1.15	**2.16**	2.85	0.10	0.13	0.06	<0.02	<0.1	0.05	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301230	Normal	Marine	NSW_0908_PFASOMP	0.06	*0.93*	1.13	**2.06**	2.71	0.09	0.11	0.06	<0.02	<0.1	0.05	0.25	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301330	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.83*	0.85	1.68	2.17	0.07	0.09	0.05	<0.02	<0.1	0.04	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301430	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.75*	0.77	1.52	1.97	0.06	0.08	0.04	<0.02	<0.1	0.03	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jan 2021	0908_SW259_2101301530	Normal	Marine	NSW_0908_PFASOMP	0.05	*0.9*	0.84	1.74	2.25	0.07	0.09	0.05	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	19 Feb 2021	0908_SW259_210219	Normal	Marine	NSW_0908_PFASOMP	0.05	*1.21*	0.92	**2.13**	2.70	0.09	0.08	0.06	<0.02	<0.1	0.05	0.21	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	26 Mar 2021	0908_SW259_210326	Normal	Marine	NSW_0908_PFASOMP	0.02	*0.43*	0.26	0.69	0.81	0.02	0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2021	0908_QC100_210423	Field_D	Marine	NSW_0908_PFASOMP	0.09	*2.94*	1.19	**4.13**	4.84	0.07	0.10	0.06	<0.02	<0.1	0.08	0.26	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2021	0908_QC200_210423	Interlab_D	Marine	NSW_0908_PFASOMP	0.064	*2.4*	0.87	**3.27**	-	0.058	0.068	0.036	<0.01	<0.05	0.06	0.18	0.035	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.01	0.027	<0.01	<0.01	<0.01	<0.02	<0.01	<0.05	<0.02	<0.01	<0.05
SW259	23 Apr 2021	0908_SW259_210423	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.76*	0.58	1.34	1.70	0.04	0.06	0.04	<0.02	<0.1	0.02	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	10 May 2021	0908_SW259_210510	Normal	Marine	NSW_0908_PFASOMP	0.05	*0.85*	0.58	1.43	1.79	0.06	0.06	0.04	<0.02	<0.1	<0.02	0.13	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	25 Jun 2021	0908_SW259_210625	Normal	Marine	NSW_0908_PFASOMP	0.06	*1.11*	0.86	1.97	2.51	0.07	0.09	0.05	<0.02	<0.1	0.04	0.20	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	30 Jul 2021	0908_SW259_210730	Normal	Marine	NSW_0908_PFASOMP	0.06	*1.25*	0.76	**2.01**	2.52	0.06	0.07	0.06	<0.02	<0.1	0.04	0.19	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	20 Aug 2021	0908_SW259_210820	Normal	Marine	NSW_0908_PFASOMP	0.05	*0.88*	0.70	1.58	2.05	0.06	0.08	0.05	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 Sep 2021	0908_SW259_210927	Normal	Marine	NSW_0908_PFASOMP	0.05	*1.32*	0.78	**2.1**	2.71	0.09	0.10	0.05	<0.02	<0.1	0.04	0.24	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	25 Oct 2021	0908_SW259_211025	Normal	Marine	NSW_0908_PFASOMP	0.08	*1.32*	1.00	**2.32**	3.08	0.10	0.12	0.07	<0.02	<0.1	0.06	0.29	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	26 Nov 2021	0908_SW259_211126	Normal	Marine	NSW_0908_PFASOMP	0.03	*0.66*	0.53	1.19	1.62	0.08	0.06	0.03	<0.02	<0.1	0.04	0.17	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 May 2022	0908_SW259_220527	Normal	Marine	NSW_0908_PFASOMP	0.04	*0.85*	0.43	1.28	1.54	0.03	0.04	0.03	<0.02	<0.1	0.02	0.10	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	15 Nov 2022	0908_SW259_221115	Normal	Marine	NSW_0908_PFASOMP	0.06	*1.20*	0.78	1.98	2.47	0.06	0.08	0.05	<0.02	<0.1	0.04	0.17	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	16 May 2023	0908_SW259_230516	Normal	Marine	NSW_0908_PFASOMP_23	0.04	*0.82*	0.87	1.69	2.12	0.08	0.09	0.05	<0.02	<0.1	0.03	0.14	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	27 Nov 2023	0908_SW259_231127	Normal	Marine	NSW_0908_PFASOMP_23	<0.01	*0.04*	0.03	0.07	0.07	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	23 Apr 2024	0908_SW259_240423	Normal	Marine	NSW_0908_PFASOMP_24	0.02	*0.39*	0.49	0.88	1.17	0.06	0.07	0.03	<0.02	<0.1	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW259	20 Sep 2024	0908_SW259_240920	Normal	Marine	NSW_0908_PFASOMP_24	0.06	*1.04*	0.64	1.68	2.20	0.06	0.10	0.07	<0.02	<0.1	0.04	0.15	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	16 Dec 2020	0908_SW333_201216	Normal	Region 3	NSW_0908_PFASMGMT	0.31	*1.49*	4.76	**6.25**	10.9	0.78	0.99	0.32	<0.02	0.2	0.30	1.60	0.19	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	22 Apr 2024	0908_SW333_240422	Normal	Region 3	NSW_0908_PFASOMP_24	0.04	*0.37*	1.10	1.47	2.17	0.12	0.18	0.06	<0.02	<0.1	0.03	0.21	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW333	19 Sep 2024	0908_SW333_240919	Normal	Region 3	NSW_0908_PFASOMP_24	0.07	*0.81*	0.94	1.75	2.94	0.08	0.12	0.09	<0.02	<0.1	0.04	0.24	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.49	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	23 Apr 2021	0908_SW582_210423	Normal	-	NSW_0908_PFASMGMT	0.13	*4.75*	1.67	**6.42**	7.36	0.05	0.11	0.14	<0.02	<0.1	0.08	0.37	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	08 Jul 2021	0908_QC100_210708	Field_D	-	NSW_0908_PFASMGMT	0.08	*4.15*	0.90	**5.05**	5.61	0.05	0.07	0.08	<0.02	<0.1	0.06	0.20	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	08 Jul 2021	0908_QC200_210708	Interlab_D	-	NSW_0908_PFASMGMT	0.07	*4.2*	0.99	**5.1**	5.7	0.05	0.06	0.1	<0.02	0.05	0.05	0.15	0.02	<0.01	<0.02	<0.02	<0.05	<0.1	<0.5	<0.01	<0.01	<0.02	<0.02	<0.1	<0.05	<0.02	<0.05	<0.1	<0.02	<0.5
SW582	08 Jul 2021	0908_SW582_210708	Normal	-	NSW_0908_PFASMGMT	0.08	*5.09*	0.94	**6.03**	6.61	0.05	0.08	0.08	<0.02	<0.1	0.06	0.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	14 Sep 2021	0908_SW582_210914	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.08*	<0.02	0.08	0.08	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	13 Jul 2022	0908_SW582_220713	Normal	-	NSW_0908_PFASMGMT	0.09	*7.48*	0.86	**8.34**	8.87	0.05	0.06	0.07	<0.02	<0.1	0.06	0.18	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	12 Aug 2022	0908_SW582_220812	Normal	-	NSW_0908_PFASMGMT	0.01	*0.43*	0.16	0.59	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.06	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	24 Apr 2024	0908_SW582_240424	Normal	-	NSW_0908_PFASOMP_24	0.06	*3.78*	0.64	**4.42**	4.80	0.03	0.05	0.05	<0.02	<0.1	0.03	0.11	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	03 Sep 2024	0908_SW582_240903	Normal	-	NSW_0908_PFASMGMT_24	0.08	*4.69*	0.76	**5.45**	5.96	0.05	0.06	0.08	<0.02	<0.1	0.04	0.14	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW582	25 Sep 2024	0908_SW582_240925	Normal	-	NSW_0908_PFASOMP_24	0.08	*4.04*	0.79	**4.83**	5.32	0.04	0.05	0.09	<0.02	<0.1	0.04	0.13	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	23 Apr 2021	0908_SW588_210423	Normal	-	NSW_0908_PFASMGMT	0.15	*8.07*	2.67	**10.7**	12.3	0.21	0.32	0.25	<0.02	<0.1	0.09	0.50	0.08	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	08 Jul 2021	0908_SW588_210708	Normal	-	NSW_0908_PFASMGMT	0.12	*9.18*	1.67	**10.8**	12.2	0.18	0.24	0.17	<0.02	<0.1	0.08	0.47	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	14 Sep 2021	0908_SW588_210914	Normal	-	NSW_0908_PFASMGMT	<0.01	*0.04*	<0.02	0.04	0.04	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	13 Jul 2022	0908_SW588_220713	Normal	-	NSW_0908_PFASMGMT	0.01	*0.54*	0.09	0.63	0.66	<0.02	<0.02	<0.02	<0.02	<0.1	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	03 Sep 2024	0908_SW588_240903	Normal	-	NSW_0908_PFASMGMT_24	0.08	*2.73*	0.92	**3.65**	4.30	0.09	0.08	0.11	<0.02	<0.1	0.04	0.18	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW588	25 Sep 2024	0908_SW588_240925	Normal	-	NSW_0908_PFASOMP_24	0.03	*1.81*	0.41	**2.22**	2.44	0.02	0.03	0.04	<0.02	<0.1	0.03	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	25 Nov 2022	0908_SW600_221125	Normal	Region 3	NSW_0908_PFASOMP	0.06	*1.42*	0.69	**2.11**	2.65	0.06	0.07	0.05	<0.02	<0.1	0.06	0.19	0.05	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	15 May 2023	0908_SW600_230515	Normal	Region 3	NSW_0908_PFASOMP_23	0.06	*1.36*	1.24	**2.6**	3.37	0.15	0.16	0.07	<0.02	<0.1	0.06	0.23	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	27 Nov 2023	0908_SW600_231127	Normal	Region 3	NSW_0908_PFASOMP_23	0.02	*0.40*	0.28	0.68	0.83	0.03	0.03	<0.02	<0.02	<0.1	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Table T9 - Historical Surface Water Analytical Results

						PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
						Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR						0.002	0.002	0.002	0.01	0.01	0.002	0.01	0.01	0.005	0.02	0.01	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.01	0.002	0.02	0.01	0.05	0.005	0.01	0.05
PFAS NEMP 2020 Recreational Water						**10**			**2**																									
PFAS NEMP 2020 Freshwater 99%						*19*	*0.00023*																											
Location Code	**Date**	**Field ID**	**Sample Type**	**Region**	**Project ID**																													
SW600	22 Apr 2024	0908_SW600_240422	Normal	Region 3	NSW_0908_PFASOMP_24	0.06	*1.30*	1.35	**2.65**	3.63	0.16	0.22	0.08	<0.02	<0.1	0.06	0.30	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05
SW600	19 Sep 2024	0908_SW600_240919	Normal	Region 3	NSW_0908_PFASOMP_24	0.09	*1.76*	1.01	**2.77**	3.62	0.10	0.16	0.11	<0.02	<0.1	0.06	0.25	0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.02	<0.05	<0.02	<0.05	<0.05	<0.02	<0.05

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Table T10 - Historical Sediment Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																													
SD001	18 Jun 2014	MD1_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.17	<0.005	0.17	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD001	13 Jan 2016	MD1_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0015	-	0.0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-
SD001	14 Dec 2016	MD1_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.0774	0.0143	0.0917	0.103	0.0013	0.0015	0.002	<0.0002	<0.001	<0.0002	0.002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0036	<0.0005	0.0003	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	<0.0002	0.096	0.0213	0.117	0.133	0.0015	0.0022	0.0019	<0.0002	<0.001	<0.0002	0.0049	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0045	<0.0005	0.0005	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Dec 2016	QC601_20161214	Field_D	NSW_0908_PFAS	-	-	-	0.1173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	14 Dec 2016	QC701_20161214	Interlab_D	NSW_0908_PFAS	0.0031	0.076	0.0065	0.0825	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.005	-	-	-	-	-	-	-
SD001	12 Apr 2018	MD1_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0022	0.0002	0.0024	0.0024	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0002	<0.0002	<0.0005
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.146	0.0096	0.1556	0.184	0.0037	0.0012	<0.0002	0.0015	<0.001	0.0005	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	0.0011	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0182	<0.0006	<0.0002	<0.0006	<0.0006	0.0004	<0.0006
SD001	06 Dec 2018	0908_MD1_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	0.0014	0.13	0.0144	0.144	0.165	0.0009	0.0011	0.0029	0.0045	<0.001	0.0012	0.0029	0.0006	<0.0002	<0.0002	<0.0002	0.0016	0.0017	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	14 Jun 2019	0908_MD1_SD_190614	Normal	NSW_0908_PFAS	-	-	-	0.1444	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD001	05 Nov 2019	0908_MD1_SD_191105	Normal	NSW_0908_PFASOMP	0.0006	0.0974	0.0086	0.106	0.108	<0.0002	<0.0002	0.0009	<0.0002	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	02 Jun 2020	0908_SD001_200602	Normal	NSW_0908_PFASOMP	<0.0010	0.0239	0.0018	0.0257	0.0257	<0.0010	<0.0010	<0.0010	<0.0010	<0.001	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0025	<0.0010	<0.0025	<0.0025	<0.0010	<0.0025
SD001	20 Nov 2020	0908_QC103_201120	Field_D	NSW_0908_PFASOMP	0.0004	0.0401	0.0058	0.0459	0.0478	0.0002	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	20 Nov 2020	0908_QC203_201120	Interlab_D	NSW_0908_PFASOMP	<0.001	0.044	0.014	0.058	-	<0.001	<0.001	<0.001	<0.001	0.003	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD001	20 Nov 2020	0908_SD001_201120	Normal	NSW_0908_PFASOMP	0.0004	0.0393	0.0057	0.0450	0.0471	0.0003	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	11 May 2021	0908_SD001_210511	Normal	NSW_0908_PFASOMP	0.0004	0.0787	0.0076	0.0863	0.0916	0.0003	0.0005	0.0019	<0.0002	<0.001	<0.0002	0.0005	<0.0002	0.0004	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	19 Nov 2021	0908_QC115_211119	Field_D	NSW_0908_PFASOMP	<0.0002	0.0191	0.0023	0.0214	0.0214	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	19 Nov 2021	0908_QC215_211119	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.011	0.0007	0.012	0.013	<0.0001	<0.0001	0.0001	0.0004	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD001	19 Nov 2021	0908_SD001_211119	Normal	NSW_0908_PFASOMP	0.0003	0.0207	0.0031	0.0238	0.0260	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	18 May 2022	0908_SD001_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0014	0.0002	0.0016	0.0016	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	08 Nov 2022	0908_SD001_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0936	0.0082	0.102	0.107	0.0006	0.0006	<0.0002	<0.0002	<0.001	<0.0002	0.0012	0.0006	<0.0002	<0.0002	<0.0002	0.0012	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	08 May 2023	0908_SD001_230508	Normal	NSW_0908_PFASOMP_23	0.0010	0.142	0.0073	0.149	0.154	<0.0002	<0.0002	0.0017	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	21 Nov 2023	0908_SD001_231121	Normal	NSW_0908_PFASOMP_23	0.0007	0.143	0.0093	0.152	0.157	0.0006	0.0006	0.0003	0.0005	<0.001	0.0007	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	24 Apr 2024	0908_SD001_240424	Normal	NSW_0908_PFASOMP_24	0.0006	0.176	0.0239	0.200	0.215	0.0012	0.0020	0.0025	<0.0002	<0.001	0.0016	0.0021	0.0017	<0.0002	<0.0002	<0.0002	0.0009	<0.0002	<0.0005	<0.0005	0.0006	<0.0005	<0.0005	0.0015	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD001	25 Sep 2024	0908_SD001_240925	Normal	NSW_0908_PFASOMP_24	0.0004	0.133	0.0149	0.148	0.155	0.0004	0.0005	0.0028	<0.0002	<0.001	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0012	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	19 Jun 2014	MD5_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD005	25 Jan 2016	MD5_SD_25012016	Normal	NSW_0908_PFAS	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-
SD005	20 Dec 2016	MD5_SED_161220	Normal	NSW_0908_PFAS	<0.0002	0.003	0.0052	0.0082	0.0102	0.0006	<0.0002	0.0004	<0.0002	<0.001	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0007	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0012	<0.0002	0.0012	0.0016	<0.0002	<0.0002	0.0004	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	12 Apr 2018	MD5_SED_12042018	Normal	NSW_0908_PFAS	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD005	06 Dec 2018	0908_MD5_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0019	0.0003	0.0022	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	13 Jun 2019	0908_MD5_SD_190613	Normal	NSW_0908_PFAS	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	06 Nov 2019	0908_MD5_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	04 Jun 2020	0908_SD005_200604	Normal	NSW_0908_PFASOMP	<0.0002	0.0032	0.0006	0.0038	0.0038	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	20 Nov 2020	0908_SD005_201120	Normal	NSW_0908_PFASOMP	0.0010	0.0320	0.0015	0.0335	0.0380	<0.0002	<0.0002	0.0002	<0.0002	<0.001	0.0011	0.0017	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	11 May 2021	0908_SD005_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0105	0.0008	0.0113	0.0113	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	17 Nov 2021	0908_SD005_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0117	0.0020	0.0137	0.0137	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	18 May 2022	0908_SD005_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	08 Nov 2022	0908_SD005_221108	Normal	NSW_0908_PFASOMP	0.0011	0.0417	0.0023	0.0440	0.0489	0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0012	0.0020	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	09 May 2023	0908_QC113_230509	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0116	0.0004	0.0120	0.0120	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	09 May 2023	0908_QC213_230509	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.025	0.0006	0.025	0.026	<0.0001	<0.0001	0.0002	0.0003	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD005	09 May 2023	0908_SD005_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0232	0.0007	0.0239	0.0239	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	21 Nov 2023	0908_SD005_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0058	0.0007	0.0065	0.0065	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	16 Apr 2024	0908_QC105_240416	Field_D	NSW_0908_PFASOMP_24	<0.0002	0.0081	0.0004	0.0085	0.0087	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	16 Apr 2024	0908_QC205_240416	Interlab_D	NSW_0908_PFASOMP_24	<0.0004	0.0097	0.0006	0.01	0.01	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD005	16 Apr 2024	0908_SD005_240416	Normal	NSW_0908_PFASOMP_24	0.0002	0.0069	0.0003	0.0072	0.0074	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD005	27 Sep 2024	0908_SD005_240927	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0083	0.0006	0.0089	0.0089	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	23 Jun 2014	MD6_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.018	<0.005	0.018	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD006	13 Jan 2016	MD6_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0185	-	0.0185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-
SD006	14 Dec 2016	MD6_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.0238	0.0015	0.0253	0.026	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	12 Apr 2018	MD6_SED_12042018	Normal	NSW_0908_PFAS	0.0002	0.0208	0.0018	0.0226	0.023	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	06 Dec 2018	0908_MD6_SD_181206	Normal	NSW_0908_PFAS	0.0002	0.0157	0.0021	0.0178	0.0186	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	14 Jun 2019	0908_MD6_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0729	0.004	0.0769	0.0769	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	05 Nov 2019	0908_MD6_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0018	<0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	02 Jun 2020	0908_SD006_200602	Normal	NSW_0908_PFASOMP	0.0002	0.0988	0.0026	0.101	0.103	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0009	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	20 Nov 2020	0908_SD006_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0077	0.0003	0.0080	0.0080	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	11 May 2021	0908_SD006_210511	Normal	NSW_0908_PFASOMP	0.0038	1.20	0.0398	1.24	1.28	0.0004	0.0009	0.0045	0.0045	<0.001	0.0092	0.0070	0.0013	0.0003	0.0006	0.0007	0.0056	<0.0002	<0.0006	<0.0005	<0.0005	0.0013	0.0009	<0.0005	0.0038	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	17 Nov 2021	0908_SD006_211117	Normal	NSW_0908_PFASOMP	0.0004	0.131	0.0064	0.137	0.140	<0.0002	<0.0002	0.0004	0.0004	<0.001	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	18 May 2022	0908_SD006_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0296	0.0010	0.0306	0.0308	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	08 Nov 2022	0908_SD006_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.336	0.0034	0.339	0.346	<0.0002	<0.0002	<0.0002	0.0025	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0019	<0.0002	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SD006	08 May 2023	0908_SD006_230508	Normal	NSW_0908_PFASOMP_23	0.0004	0.200	0.0075	0.208	0.211	<0.0002	0.0002	0.0008	<0.0002	<0.001	0.0004	0.0007	0.0002	<0.0002	<0.0002	<0.0002	0.0005	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	21 Nov 2023	0908_SD006_231121	Normal	NSW_0908_PFASOMP_23	0.0006	0.859	0.0239	0.883	0.905	0.0004	0.0003	0.0030	0.0082	<0.001	0.0016	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	0.0042	0.0007	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0015	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD006	24 Apr 2024	0908_SD006_240424	Normal	NSW_0908_PFASOMP_24	0.0007	0.391	0.0123	0.403	0.417	<0.0002	0.0003	0.0010	<0.0002	0.003	0.0026	0.0011	0.0005	0.0003	0.0006	0.0004	0.0023	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD006	25 Sep 2024	0908_SD006_240925	Normal	NSW_0908_PFASOMP_24	0.0006	0.532	0.0199	0.552	0.579	0.0005	0.0004	0.0028	0.0076	<0.001	0.0024	0.0018	0.0004	<0.0002	0.0007	0.0012	0.0040	0.0011	0.0024	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	13 Jan 2016	MD7_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD007	14 Dec 2016	MD7_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.001	0.0003	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	MD7_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0031	0.0004	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	QC100_SED_12042018	Field_D	NSW_0908_PFAS	<0.0002	0.0021	0.0002	0.0023	0.0023	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	12 Apr 2018	QC200_SED_12042018	Interlab_D	NSW_0908_PFAS	<0.001	0.0035	<0.001	0.0045	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD007	06 Dec 2018	0908_MD7_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0241	0.0014	0.0255	0.0257	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	14 Jun 2019	0908_MD7_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.011	0.0002	0.0112	0.0112	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	05 Nov 2019	0908_MD7_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0249	0.0010	0.0259	0.0259	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	02 Jun 2020	0908_SD007_200602	Normal	NSW_0908_PFASOMP	<0.0002	0.0066	0.0006	0.0072	0.0072	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	20 Nov 2020	0908_SD007_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0156	0.0005	0.0161	0.0161	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	11 May 2021	0908_SD007_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0068	0.0005	0.0073	0.0073	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	16 Nov 2021	0908_SD007_211116	Normal	NSW_0908_PFASOMP	<0.0002	0.0471	0.0011	0.0482	0.0487	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	18 May 2022	0908_SD007_220518	Normal	NSW_0908_PFASOMP	<0.0002	0.0050	0.0006	0.0056	0.0056	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	08 Nov 2022	0908_SD007_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0088	0.0009	0.0097	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	08 May 2023	0908_SD007_230508	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0383	0.0007	0.0390	0.0395	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	21 Nov 2023	0908_SD007_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0150	0.0010	0.0160	0.0160	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	24 Apr 2024	0908_SD007_240424	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0101	0.0006	0.0107	0.0107	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD007	25 Sep 2024	0908_SD007_240925	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0417	0.0015	0.0432	0.0437	<0.0002	<0.0002	0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	28 Jan 2016	MD8_SD_28012016	Normal	NSW_0908_PFAS	<0.0005	<0.0005	-	<0.0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD009	14 Dec 2016	MD8_SED_20161214	Normal	NSW_0908_PFAS	0.0004	0.0868	0.0116	0.0984	0.103	0.0006	0.0007	0.0021	<0.0002	<0.001	<0.0002	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	01 May 2018	MD8_SED_01052018	Normal	NSW_0908_PFAS	0.0003	0.0702	0.0105	0.0807	0.0867	<0.0002	0.0003	0.0009	0.0024	<0.001	<0.0002	0.0003	<0.0002	<0.0002	0.0003	0.0003	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	<0.0002	<0.0002	0.0006	0.0006	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	07 Dec 2018	0908_MD8_SD_181207	Normal	NSW_0908_PFAS	-	-	-	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD009	13 Jun 2019	0908_MD8_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0016	0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	06 Nov 2019	0908_MD8_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0057	0.0005	0.0062	0.0062	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	24 Jun 2020	0908_SD009_200624	Normal	NSW_0908_PFASOMP	<0.0002	0.0051	0.0003	0.0054	0.0054	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	26 Nov 2020	0908_SD009_201126	Normal	NSW_0908_PFASOMP	0.0002	0.0556	0.0030	0.0586	0.0598	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	11 May 2021	0908_SD009_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0247	0.0012	0.0259	0.0259	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 Nov 2021	0908_SD009_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0171	0.0009	0.0180	0.0188	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 May 2022	0908_QC105_220517	Field_D	NSW_0908_PFASOMP	<0.0002	0.0194	0.0016	0.0210	0.0226	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0013	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	17 May 2022	0908_QC205_220517	Interlab_D	NSW_0908_PFASOMP	0.0001	0.035	0.0013	0.036	0.039	<0.0001	<0.0001	0.0003	0.001	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	0.002	<0.001	<0.0002	<0.001	<0.001	<0.0004	<0.005
SD009	17 May 2022	0908_SD009_220517	Normal	NSW_0908_PFASOMP	<0.0002	0.0077	0.0004	0.0081	0.0085	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 Nov 2022	0908_QC107_221108	Field_D	NSW_0908_PFASOMP	<0.0002	0.0062	0.0008	0.0070	0.0070	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 Nov 2022	0908_QC207_221108	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.0059	0.0005	0.0064	0.0067	<0.0001	<0.0001	<0.0001	0.0003	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD009	08 Nov 2022	0908_SD009_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0133	0.0013	0.0146	0.0159	0.0005	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 May 2023	0908_QC104_230508	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0176	0.0011	0.0187	0.0195	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	08 May 2023	0908_QC204_230508	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.028	0.0015	0.029	0.03	<0.0001	<0.0001	0.0003	0.0003	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.002	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.001	<0.005
SD009	08 May 2023	0908_SD009_230508	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0131	0.0008	0.0139	0.0146	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	21 Nov 2023	0908_SD009_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0112	0.0007	0.0119	0.0119	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	22 Apr 2024	0908_SD009_240422	Normal	NSW_0908_PFASOMP_24	0.0002	0.0179	0.0048	0.0227	0.0254	<0.0002	<0.0002	0.0004	0.0012	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	23 Sep 2024	0908_QC105_240923	Field_D	NSW_0908_PFASOMP_24	<0.0002	0.0099	0.0005	0.0104	0.0104	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD009	23 Sep 2024	0908_QC205_240923	Interlab_D	NSW_0908_PFASOMP_24	<0.0001	0.0066	0.0005	0.0071	0.0071	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.002	<0.0005	<0.005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD009	23 Sep 2024	0908_SD009_240923	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0082	0.0005	0.0087	0.0087	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	12 Feb 2016	MD10_SD_12022016	Normal	NSW_0908_PFAS	<0.0005	0.0006	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.001	-	-	-	-	-	-	-	-
SD011	12 Feb 2016	QC103_SD_12022016	Field_D	NSW_0908_PFAS	<0.0005	0.0006	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	<0.001	-	-	-	-	-	-	-	-
SD011	13 Feb 2017	MD10_SED_130217	Normal	NSW_0908_PFAS	<0.0002	0.0028	0.0005	0.0033	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	07 Dec 2018	0908_MD10_SD_181207	Normal	NSW_0908_PFAS	0.0002	0.0154	0.0015	0.0169	0.0187	<0.0002	<0.0002	0.0002	0.0002	<0.001	0.0003	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	13 Jun 2019	0908_MD10_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0084	0.0006	0.009	0.009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	06 Nov 2019	0908_MD10_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0065	0.0004	0.0069	0.0069	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	19 Jun 2020	0908_SD011_200619	Normal	NSW_0908_PFASOMP	0.0004	0.0359	0.0022	0.0381	0.0396	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 Nov 2020	0908_QC107_201126	Field_D	NSW_0908_PFASOMP	0.0002	0.0651	0.0034	0.0685	0.0695	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 Nov 2020	0908_QC207_201126	Interlab_D	NSW_0908_PFASOMP	<0.001	0.027	0.0015	0.0285	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD011	26 Nov 2020	0908_SD011_201126	Normal	NSW_0908_PFASOMP	0.0003	0.125	0.0133	0.138	0.160	0.0016	0.0006	0.0013	0.0085	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0094	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 May 2021	0908_SD011_110526	Normal	NSW_0908_PFASOMP	<0.0002	0.0217	0.0007	0.0224	0.0224	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0020	<0.0020	<0.0020	<0.0020	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0020	<0.0050	<0.0020	<0.0050	<0.0050	<0.0002	<0.0050
SD011	11 May 2023	0908_SD011_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0396	0.0011	0.0407	0.0410	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	28 Nov 2023	0908_QC113_231128	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0191	0.0007	0.0198	0.0211	0.0010	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	28 Nov 2023	0908_QC213_231128	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.018	0.0008	0.019	0.019	<0.0001	<0.0001	0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0025	<0.005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.005	<0.005	<0.002	<0.005	<0.005	<0.0002	<0.01

Table T10 - Historical Sediment Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SD011	28 Nov 2023	0908_SD011_231128	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0200	0.0007	0.0207	0.0210	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	23 Apr 2024	0908_SD011_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0082	0.0008	0.0090	0.0090	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD011	26 Sep 2024	0908_SD011_240926	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0300	0.0009	0.0309	0.0311	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	20 Dec 2016	MD14_SED_161220	Normal	NSW_0908_PFAS	<0.0002	0.0024	<0.0002	0.0024	0.0229	0.0147	0.0031	0.0003	0.0009	<0.001	0.0015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0002	<0.0002	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	12 Apr 2018	MD14_SED_12042018	Normal	NSW_0908_PFAS	-	-	-	0.0004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0017	<0.0002	0.0017	0.0021	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	06 Dec 2018	0908_MD14_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0011	<0.0002	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	13 Jun 2019	0908_MD14_SD_190613	Normal	NSW_0908_PFAS	-	-	-	0.0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	13 Jun 2019	0908_QC120_190613	Field_D	NSW_0908_PFAS	-	-	-	0.0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD014	13 Jun 2019	0908_QC220_190613	Interlab_D	NSW_0908_PFAS	<0.001	0.0028	<0.001	0.0038	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD014	05 Nov 2019	0908_MD14_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0011	<0.0002	0.0011	0.0017	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0006	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	04 Jun 2020	0908_SD014_200604	Normal	NSW_0908_PFASOMP	<0.0002	0.0093	0.0008	0.0101	0.0109	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	26 Nov 2020	0908_QC109_201126	Field_D	NSW_0908_PFASOMP	<0.0002	0.0154	0.0008	0.0162	0.0171	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	26 Nov 2020	0908_QC209_201126	Interlab_D	NSW_0908_PFASOMP	<0.001	0.037	0.0026	0.0396	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD014	26 Nov 2020	0908_SD014_201126	Normal	NSW_0908_PFASOMP	<0.0002	0.0496	0.0028	0.0524	0.0524	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	11 May 2021	0908_SD014_210511	Normal	NSW_0908_PFASOMP	0.0002	0.0705	0.0053	0.0758	0.0787	<0.0002	0.0003	0.0006	0.0002	<0.001	<0.0002	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	17 Nov 2021	0908_QC212_211117	Interlab_D	NSW_0908_PFASOMP	0.0004	0.059	0.0063	0.065	0.068	0.0001	0.0002	0.0007	<0.0002	0.0003	0.0004	0.0007	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD014	17 Nov 2021	0908_SD014_211117	Normal	NSW_0908_PFASOMP	0.0005	0.0894	0.0083	0.0977	0.102	0.0006	0.0004	0.0006	<0.0002	<0.001	0.0004	0.0010	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	16 May 2022	0908_SD014_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0039	0.0002	0.0041	0.0044	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	07 Nov 2022	0908_QC104_221107	Field_D	NSW_0908_PFASOMP	<0.0002	0.0255	0.0020	0.0275	0.0275	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	07 Nov 2022	0908_QC204_221107	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.0096	0.0004	0.01	0.01	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD014	07 Nov 2022	0908_SD014_221107	Normal	NSW_0908_PFASOMP	<0.0002	0.0508	0.0020	0.0528	0.0544	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0011	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	09 May 2023	0908_QC207_230509	Interlab_D	NSW_0908_PFASOMP_23	<0.0005	0.024	0.0011	0.025	0.025	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.001	<0.0005	<0.0005	<0.0005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.0005	<0.0005	<0.001	<0.001	<0.01	<0.01	<0.002	<0.01	<0.01	<0.002	<0.05
SD014	09 May 2023	0908_SD014_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0291	0.0010	0.0301	0.0301	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	21 Nov 2023	0908_SD014_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0565	0.0025	0.0590	0.0686	0.0049	<0.0002	<0.0002	0.0005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0042	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD014	16 Apr 2024	0908_SD014_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0554	0.0031	0.0585	0.0790	<0.0002	0.0003	0.0003	0.0035	<0.001	<0.0002	<0.0002	0.0006	<0.0002	0.0116	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0039	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD014	27 Sep 2024	0908_SD014_240927	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	30 Jan 2017	TC12_SED_300117	Normal	NSW_0908_PFAS	<0.0002	0.0245	0.0025	0.027	0.0273	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0035	<0.0002	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Apr 2018	TC12_SED_12042018	Normal	NSW_0908_PFAS	-	-	-	0.0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD019	06 Dec 2018	0908_TC12_SD_181206	Normal	NSW_0908_PFAS	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	14 Jun 2019	0908_TC12_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0212	0.0012	0.0224	0.0224	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD019	07 Nov 2019	0908_TC12_SD_191107	Normal	NSW_0908_PFASOMP	<0.0002	0.0006	<0.0002	0.0006	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	26 May 2020	0908_SD019_200526	Normal	NSW_0908_PFASOMP	<0.0002	0.0044	0.0004	0.0048	0.0048	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Nov 2020	0908_SD019_201112	Normal	NSW_0908_PFASOMP	0.0004	0.0117	0.0019	0.0136	0.0150	<0.0002	<0.0002	0.0002	<0.0002	<0.001	0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	10 May 2021	0908_SD019_210510	Normal	NSW_0908_PFASOMP	0.0007	0.116	0.0138	0.130	0.134	0.0005	0.0007	0.0016	<0.0002	<0.001	<0.0002	0.0008	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	12 Nov 2021	0908_SD019_211112	Normal	NSW_0908_PFASOMP	<0.0002	0.0053	<0.0002	0.0053	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	27 May 2022	0908_SD019_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0125	0.0007	0.0132	0.0132	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	14 Nov 2022	0908_SD019_221114	Normal	NSW_0908_PFASOMP	0.0008	0.0283	0.0028	0.0311	0.0342	<0.0002	<0.0002	0.0003	<0.0002	<0.001	0.0004	0.0013	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	17 May 2023	0908_SD019_230517	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0007	<0.0002	0.0007	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	28 Nov 2023	0908_SD019_231128	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0123	0.0008	0.0131	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	22 Apr 2024	0908_SD019_240422	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0053	<0.0002	0.0053	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD019	20 Sep 2024	0908_SD019_240920	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0056	0.0008	0.0064	0.0074	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0012	<0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	06 Dec 2018	0908_TC6A_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD023	05 Nov 2019	0908_TC6a_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0059	0.0006	0.0065	0.0065	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	04 Jun 2020	0908_SD023_200604	Normal	NSW_0908_PFASOMP	0.0002	0.0101	0.0013	0.0114	0.0116	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	20 Nov 2020	0908_SD023_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0040	0.0003	0.0043	0.0043	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	11 May 2021	0908_SD023_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0163	0.0014	0.0177	0.0179	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 Nov 2021	0908_QC113_211117	Field_D	NSW_0908_PFASOMP	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 Nov 2021	0908_SD023_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0020	<0.0002	0.0020	0.0020	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	17 May 2022	0908_SD023_220517	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	08 Nov 2022	0908_SD023_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0186	0.0009	0.0195	0.0195	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	09 May 2023	0908_SD023_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0192	0.0011	0.0203	0.0206	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	20 Nov 2023	0908_SD023_231120	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0055	0.0004	0.0059	0.0059	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC108_240416	Field_D	NSW_0908_PFASOMP_24	<0.0002	0.0249	0.0017	0.0266	0.0268	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD023	16 Apr 2024	0908_QC208_240416	Interlab_D	NSW_0908_PFASOMP_24	<0.0004	0.025	0.0014	0.027	0.027	<0.0004	<0.0004	<0.0004	<0.0008	<0.0008	<0.0008	<0.0004	<0.0004	<0.0004	<0.002	<0.002	<0.002	<0.002	<0.02	<0.0004	<0.0004	<0.0008	<0.0008	<0.004	<0.004	<0.0008	<0.004	<0.004	<0.0008	<0.02
SD023	16 Apr 2024	0908_SD023_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0269	0.0021	0.0290	0.0290	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Historical Sediment Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SD023	27 Sep 2024	0908_SD023_240927	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0013	<0.0002	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	21 Jan 2016	TC7_SD_21012016	Normal	NSW_0908_PFAS	<0.0005	0.0136	0.0044	0.018	-	<0.0002	-	-	<0.0002	-	-	0.0007	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.006	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD024	14 Dec 2016	TC7_SED_20161214	Normal	NSW_0908_PFAS	<0.0002	0.0006	<0.0002	0.0006	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	06 Dec 2018	0908_TC7_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0028	0.0003	0.0031	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	13 Jun 2019	0908_TC7_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0023	0.0002	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	05 Nov 2019	0908_TC7_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0017	0.0003	0.0020	0.0020	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	04 Jun 2020	0908_SD024_200604	Normal	NSW_0908_PFASOMP	0.0005	0.0097	0.0014	0.0111	0.0119	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	20 Nov 2020	0908_SD024_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0170	0.0011	0.0181	0.0184	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	11 May 2021	0908_SD024_210511	Normal	NSW_0908_PFASOMP	0.0005	0.0445	0.0040	0.0485	0.0501	<0.0002	<0.0002	0.0008	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	17 Nov 2021	0908_QC213_211117	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.0028	0.0004	0.0032	0.0032	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD024	17 Nov 2021	0908_SD024_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0034	0.0005	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	16 May 2022	0908_SD024_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0031	0.0012	0.0043	0.0043	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	08 Nov 2022	0908_SD024_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0840	0.0059	0.0899	0.0902	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	09 May 2023	0908_SD024_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0731	0.0025	0.0756	0.0764	<0.0002	<0.0002	0.0008	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	20 Nov 2023	0908_SD024_231120	Normal	NSW_0908_PFASOMP_23	0.0017	0.0248	0.0008	0.0256	0.0286	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0007	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	16 Apr 2024	0908_SD024_240416	Normal	NSW_0908_PFASOMP_24	0.0052	0.0627	0.0030	0.0657	0.0798	<0.0002	<0.0002	0.0006	<0.0002	<0.001	0.0018	0.0040	0.0016	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD024	27 Sep 2024	0908_SD024_240927	Normal	NSW_0908_PFASOMP_24	0.0003	0.0103	0.0005	0.0108	0.0111	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	17 Nov 2014	BD03_SD01_171114	Normal	NSW_0908_PFAS	<0.005	0.015	0.017	0.032	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	0.007	<0.005	-	-	<0.005	-	-
SD047	17 Nov 2014	QC100_171114	Field_D	NSW_0908_PFAS	<0.005	0.053	0.012	0.065	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	0.011	<0.005	-	-	<0.005	-	-
SD047	14 Jan 2016	BD03_SD_14012016	Normal	NSW_0908_PFAS	0.0016	0.0377	0.0122	0.0499	-	<0.0002	-	-	0.0017	-	-	0.0007	0.0006	0.0004	0.0003	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	0.0007	<0.001	-	<0.001	<0.001	-	<0.001
SD047	14 Sep 2016	BD03_0.0-0.1_140916	Normal	NSW_0908_PFAS	<0.0005	0.012	0.00052	0.01252	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD047	14 Sep 2016	BD03_0.3-0.4_140916	Normal	NSW_0908_PFAS	<0.0005	0.017	0.00061	0.01761	-	<0.0005	<0.0005	<0.0005	0.00057	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD047	16 Dec 2016	BD03_SED_161216	Normal	NSW_0908_PFAS	0.0002	0.0285	0.0046	0.0331	0.0364	0.0002	0.0003	0.0004	0.0004	<0.001	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	12 Apr 2018	BD03_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0034	0.0005	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	07 Dec 2018	0908_BD03_SD_181207	Normal	NSW_0908_PFAS	0.0005	0.0187	0.0033	0.022	0.0257	<0.0002	0.0002	0.0003	0.0002	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0017	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	14 Jun 2019	0908_BD03_SD_190614	Normal	NSW_0908_PFAS	0.0006	0.0431	0.0033	0.0464	0.0527	0.0005	0.0003	0.0004	0.0018	<0.001	0.0002	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0014	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	06 Nov 2019	0908_BD04_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0006	0.0005	0.0011	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	22 May 2020	0908_SD047_200522	Normal	NSW_0908_PFASOMP	0.0014	0.131	0.0102	0.141	0.162	0.0027	0.0007	0.0015	0.0015	<0.001	0.0007	0.0023	0.0005	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0097	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	27 Nov 2020	0908_SD047_201127	Normal	NSW_0908_PFASOMP	0.0013	0.0542	0.0074	0.0616	0.0798	0.0038	0.0004	0.0011	0.0008	0.001	0.0006	0.0017	0.0004	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0062	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	11 May 2021	0908_SD047_210511	Normal	NSW_0908_PFASOMP	0.0003	0.0416	0.0083	0.0499	0.0561	0.0013	0.0002	0.0003	0.0005	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0004	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0026	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	16 Nov 2021	0908_SD047_211116	Normal	NSW_0908_PFASOMP	0.0011	0.364	0.0186	0.383	0.408	0.0011	0.0012	0.0019	0.0051	<0.001	<0.0002	0.0030	0.0006	<0.0002	<0.0002	<0.0002	0.0007	0.0007	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0090	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	19 May 2022	0908_SD047_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0016	0.0002	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	10 Nov 2022	0908_SD047_221110	Normal	NSW_0908_PFASOMP	<0.0002	0.0264	0.0010	0.0274	0.0276	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	10 May 2023	0908_SD047_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0057	0.0008	0.0065	0.0067	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	23 Nov 2023	0908_SD047_231123	Normal	NSW_0908_PFASOMP_23	0.0002	0.0713	0.0036	0.0749	0.0760	<0.0002	<0.0002	0.0003	<0.0002	<0.001	0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	18 Apr 2024	0908_SD047_240418	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0497	0.0028	0.0525	0.0532	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD047	24 Sep 2024	0908_SD047_240924	Normal	NSW_0908_PFASOMP_24	0.0004	0.0685	0.0057	0.0742	0.0759	<0.0002	<0.0002	0.0006	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	17 Nov 2014	BD04_SD01_171114	Normal	NSW_0908_PFAS	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD048	20 Jan 2016	BD04_SD_20012016	Normal	NSW_0908_PFAS	<0.0005	0.001	-	0.001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD048	16 Dec 2016	BD04_SED_161216	Normal	NSW_0908_PFAS	<0.0002	0.0009	0.0004	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	12 Apr 2018	BD04_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0004	0.0005	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	07 Dec 2018	0908_BD04_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0005	0.0003	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	14 Jun 2019	0908_BD04_SD_190614	Normal	NSW_0908_PFAS	0.0003	0.0035	0.0015	0.005	0.0053	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 May 2020	0908_SD048_200522	Normal	NSW_0908_PFASOMP	0.0003	0.0018	0.0013	0.0031	0.0036	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	27 Nov 2020	0908_SD048_201127	Normal	NSW_0908_PFASOMP	<0.0002	0.0012	0.0006	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	11 May 2021	0908_SD048_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	16 Nov 2021	0908_SD048_211116	Normal	NSW_0908_PFASOMP	0.0002	0.0039	0.0019	0.0058	0.0067	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	19 May 2022	0908_SD048_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0033	0.0014	0.0047	0.0058	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0004	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	10 Nov 2022	0908_SD048_221110	Normal	NSW_0908_PFASOMP	0.0006	0.0103	0.0040	0.0143	0.0174	<0.0002	0.0002	<0.0002	<0.0002	<0.001	0.0010	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	10 May 2023	0908_SD048_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0026	0.0008	0.0034	0.0034	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 Nov 2023	0908_QC110_231122	Field_D	NSW_0908_PFASOMP_23	0.0003	0.0156	0.0030	0.0186	0.0189	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	22 Nov 2023	0908_QC210_231122	Interlab_D	NSW_0908_PFASOMP_23	0.0003	0.0085	0.0018	0.01	0.011	<0.0001	0.0001	0.0003	<0.0002	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD048	22 Nov 2023	0908_SD048_231122	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0021	0.0005	0.0026	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	18 Apr 2024	0908_SD048_240418	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0056	0.0010	0.0066	0.0066	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD048	24 Sep 2024	0908_SD048_240924	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0040	0.0015	0.0055	0.0055	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	23 Jun 2014	DD1_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.008	<0.005	0.008	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD055	26 Jun 2014	QC6_SEDIMENT	Interlab_D	NSW_0908_PFAS	<0.0005	0.0039	0.0003	0.0042	-	<0.0002	-	-	0.0006	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	-	<0.005	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD055	14 Jan 2016	DD1_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.007	-	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD055	16 Dec 2016	DD1_SED_161216	Normal	NSW_0908_PFAS	<0.0002	0.0055	0.0015	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	12 Apr 2018	DD1_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0011	0.0007	0.0018	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	07 Dec 2018	0908_DD1_SD_181207	Normal	NSW_0908_PFAS	0.0004	0.0042	0.0062	0.0104	0.0136	<0.0002	0.0002	<0.0002	0.0009	<0.001	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Historical Sediment Analytical Results

Location Code	Date	Field ID	Sample Type	Project ID	PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids									
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005
SD055	13 Jun 2019	0908_DD1_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.003	0.0004	0.0034	0.0055	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	05 Nov 2019	0908_DD1_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	0.0006	0.0014	0.0018	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	22 May 2020	0908_SD055_200522	Normal	NSW_0908_PFASOMP	0.0003	0.0083	0.0009	0.0092	0.0115	<0.0002	<0.0002	<0.0002	0.0002	<0.001	0.0005	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	23 Nov 2020	0908_SD055_201123	Normal	NSW_0908_PFASOMP	<0.0002	0.0022	0.0003	0.0025	0.0028	<0.0002	<0.0002	<0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	11 May 2021	0908_SD055_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0136	0.0023	0.0159	0.0185	<0.0002	<0.0002	<0.0002	0.0011	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0005
SD055	16 Nov 2021	0908_QC109_211116	Field_D	NSW_0908_PFASOMP	<0.0002	0.0048	0.0013	0.0061	0.0061	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	16 Nov 2021	0908_SD055_211116	Normal	NSW_0908_PFASOMP	<0.0002	0.0038	0.0011	0.0049	0.0049	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	19 May 2022	0908_QC209_220519	Interlab_D	NSW_0908_PFASOMP	<0.0001	0.01	0.0006	0.011	0.011	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	0.0002	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
SD055	19 May 2022	0908_SD055_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0092	0.0007	0.0099	0.0099	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	10 Nov 2022	0908_SD055_221110	Normal	NSW_0908_PFASOMP	0.0003	0.0323	0.0054	0.0377	0.0423	<0.0002	<0.0002	0.0002	0.0022	<0.001	0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0005
SD055	10 May 2023	0908_SD055_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0137	0.0022	0.0159	0.0167	<0.0002	<0.0002	0.0003	0.0005	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	22 Nov 2023	0908_SD055_231122	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0019	0.0006	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	17 Apr 2024	0908_SD055_240417	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0071	0.0015	0.0086	0.0091	<0.0002	<0.0002	0.0002	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD055	24 Sep 2024	0908_SD055_240924	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0028	0.0005	0.0033	0.0033	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	19 Jun 2014	DD2_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.24	0.042	0.282	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SD059	14 Jan 2016	DD2_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.0011	-	0.0011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD059	14 Jan 2016	QC200_SD_1412016	Field_D	NSW_0908_PFAS	<0.002	<0.002	-	<0.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD059	14 Dec 2016	DD2_SED_161214	Normal	NSW_0908_PFAS	<0.0002	0.0066	0.001	0.0076	0.0076	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	12 Apr 2018	DD2_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0018	0.0003	0.0021	0.0026	<0.0002	<0.0002	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0006	<0.0002	0.0006	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD059	13 Jun 2019	0908_DD2_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0008	0.0003	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	05 Nov 2019	0908_DD2_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0153	0.0018	0.0171	0.0193	<0.0002	<0.0002	<0.0002	0.0013	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	04 Jun 2020	0908_SD059_200604	Normal	NSW_0908_PFASOMP	<0.0002	0.0124	0.0016	0.0140	0.0152	<0.0002	<0.0002	<0.0002	0.0006	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	13 Nov 2020	0908_SD059_201113	Normal	NSW_0908_PFASOMP	0.0004	0.0662	0.0006	0.0668	0.0685	<0.0002	<0.0002	0.0005	0.0008	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	11 May 2021	0908_SD059_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0196	0.0018	0.0214	0.0265	<0.0002	<0.0002	0.0003	0.0041	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	15 Nov 2021	0908_SD059_211115	Normal	NSW_0908_PFASOMP	<0.0002	0.0010	<0.0002	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	17 May 2022	0908_SD059_220517	Normal	NSW_0908_PFASOMP	<0.0002	0.0026	<0.0002	0.0026	0.0026	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	09 Nov 2022	0908_SD059_221109	Normal	NSW_0908_PFASOMP	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	16 May 2023	0908_QC116_230516	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0005	0.0004	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	16 May 2023	0908_QC216_230516	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.0003	0.0003	0.0006	0.0006	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
SD059	16 May 2023	0908_SD059_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	23 Nov 2023	0908_SD059_231123	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0015	<0.0002	0.0015	0.0015	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	16 Apr 2024	0908_SD059_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0130	0.0026	0.0156	0.0164	<0.0002	<0.0002	<0.0002	0.0008	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	23 Sep 2024	0908_QC102_240923	Field_D	NSW_0908_PFASOMP_24	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD059	23 Sep 2024	0908_QC202_240923	Interlab_D	NSW_0908_PFASOMP_24	<0.0001	0.0010	0.0002	0.0013	0.0013	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
SD059	23 Sep 2024	0908_SD059_240923	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0011	<0.0002	0.0011	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	17 Jun 2014	DD3_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.098	0.039	0.137	-	0.027	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SD060	25 Jun 2014	QC5_SEDIMENT	Field_D	NSW_0908_PFAS	<0.005	<0.005	<0.005	<0.005	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SD060	14 Jan 2016	DD3_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.0097	0.004	0.0137	-	0.0002	-	-	<0.0002	-	-	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.001
SD060	14 Jan 2016	QC100_SD_13012016	Field_D	NSW_0908_PFAS	<0.0005	0.0095	-	0.0095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	0.0036	0.339	0.0384	0.377	0.395	0.0014	0.0026	0.0058	<0.0002	<0.001	0.0003	0.0037	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006
SD060	14 Dec 2016	DD3_SED_161214	Normal	NSW_0908_PFAS	-	-	-	0.3774	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD060	12 Apr 2018	DD3_SED_12042018	Normal	NSW_0908_PFAS	0.0021	0.0839	0.0301	0.114	0.13	0.0035	0.0025	0.0034	<0.0002	<0.001	<0.0002	0.0042	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	0.0036	0.14	0.0664	0.206	0.239	0.0038	0.005	0.0097	<0.0002	<0.001	0.0014	0.0074	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.2064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD060	13 Jun 2019	0908_DD3_SD_190613	Normal	NSW_0908_PFAS	0.0002	0.0148	0.0042	0.019	0.021	0.0003	0.0004	0.0005	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	05 Nov 2019	0908_DD3_SD_191105	Normal	NSW_0908_PFASOMP	0.0010	0.0971	0.0142	0.111	0.120	0.0011	0.0012	0.0023	<0.0002	<0.001	0.0004	0.0019	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	04 Jun 2020	0908_SD060_200604	Normal	NSW_0908_PFASOMP	0.0004	0.0194	0.0047	0.0241	0.0271	0.0006	0.0005	0.0005	<0.0002	<0.001	<0.0002	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	20 Nov 2020	0908_SD060_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0257	0.0014	0.0271	0.0273	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	11 May 2021	0908_SD060_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0417	0.0022	0.0439	0.0452	0.0002	0.0002	0.0005	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	15 Nov 2021	0908_SD060_211115	Normal	NSW_0908_PFASOMP	0.0014	0.0912	0.0227	0.114	0.126	0.0015	0.0016	0.0039	<0.0002	<0.001	0.0003	0.0029	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	18 May 2022	0908_SD060_220518	Normal	NSW_0908_PFASOMP	0.0014	0.226	0.0217	0.248	0.262	0.0015	0.0020	0.0048	<0.0002	<0.001	0.0007	0.0033	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC111_221109	Field_D	NSW_0908_PFASOMP	0.0004	0.0213	0.0039	0.0252	0.0277	0.0002	0.0004	0.0006	<0.0002	<0.001	<0.0002	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC211_221109	Interlab_D	NSW_0908_PFASOMP	0.0003	0.012	0.0025	0.014	0.016	0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	0.0007	0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005
SD060	09 Nov 2022	0908_SD060_221109	Normal	NSW_0908_PFASOMP	0.0003	0.0149	0.0034	0.0183	0.0202	0.0002	0.0003	0.0004	<0.0002	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	11 May 2023	0908_SD060_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0017	0.0006	0.0023	0.0023	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	23 Nov 2023	0908_SD060_231123	Normal	NSW_0908_PFASOMP_23	0.0045	1.03	0.0848	1.11	1.16	0.0034	0.0053	0.0150	<0.0002	0.002	0.0012	0.0080	0.0011	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	22 Apr 2024	0908_SD060_240422	Normal	NSW_0908_PFASOMP_24	0.0012	0.0404	0.0172	0.0576	0.0684	0.0017	0.0020	0.0028	<0.0002	<0.001	0.0004	0.0023	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	19 Sep 2024	0908_QC100_240919	Field_D	NSW_0908_PFASOMP_24	0.0009	0.164	0.0258	0.190	0.200	0.0012	0.0018	0.0043	<0.0002	<0.001	0.0003	0.0014	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005
SD060	19 Sep 2024	0908_QC200_240919	Interlab_D	NSW_0908_PFASOMP_24	0.0009	0.16	0.022	0.18	0.19	0.0012	0.0016	0.0053	<0.0002	<0.0002	0.0003	0.0013	0.0002	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005

Location Code	Date	Field ID	PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
			4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR			0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
SD055	13 Jun 2019	0908_DD1_SD_190613	<0.0005	<0.0005	<0.0005	<0.0005	0.0021	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	05 Nov 2019	0908_DD1_SD_191105	<0.0005	<0.0005	<0.0005	<0.0005	0.0004	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	22 May 2020	0908_SD055_200522	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	23 Nov 2020	0908_SD055_201123	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	11 May 2021	0908_SD055_210511	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	16 Nov 2021	0908_QC109_211116	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	16 Nov 2021	0908_SD055_211116	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	19 May 2022	0908_QC209_220519	<0.0001	0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD055	19 May 2022	0908_SD055_220519	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	10 Nov 2022	0908_SD055_221110	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	10 May 2023	0908_SD055_230510	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	22 Nov 2023	0908_SD055_231122	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	17 Apr 2024	0908_SD055_240417	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD055	24 Sep 2024	0908_SD055_240924	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	19 Jun 2014	DD2_SEDIMENT	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD059	14 Jan 2016	DD2_SD_14012016	-	<0.005	-	-	-	-	-	-	-	-	-
SD059	14 Jan 2016	QC200_SD_1412016	-	<0.002	-	-	-	-	-	-	-	-	-
SD059	14 Dec 2016	DD2_SED_161214	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	12 Apr 2018	DD2_SED_12042018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	06 Dec 2018	0908_DD2_SD_181206	-	-	-	-	-	-	-	-	-	-	-
SD059	13 Jun 2019	0908_DD2_SD_190613	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	05 Nov 2019	0908_DD2_SD_191105	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	04 Jun 2020	0908_SD059_200604	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	13 Nov 2020	0908_SD059_201113	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	11 May 2021	0908_SD059_210511	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	15 Nov 2021	0908_SD059_211115	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	17 May 2022	0908_SD059_220517	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	09 Nov 2022	0908_SD059_221109	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 May 2023	0908_QC116_230516	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 May 2023	0908_QC216_230516	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD059	16 May 2023	0908_SD059_230516	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	23 Nov 2023	0908_SD059_231123	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	16 Apr 2024	0908_SD059_240416	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	23 Sep 2024	0908_QC102_240923	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD059	23 Sep 2024	0908_QC202_240923	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD059	23 Sep 2024	0908_SD059_240923	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	17 Jun 2014	DD3_SEDIMENT	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD060	25 Jun 2014	QC5_SEDIMENT	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD060	14 Jan 2016	DD3_SD_14012016	-	<0.005	<0.001	-	<0.0002	<0.001	-	<0.001	<0.001	-	<0.001
SD060	14 Jan 2016	QC100_SD_13012016	-	<0.005	-	-	-	-	-	-	-	-	-
SD060	14 Dec 2016	DD3_SED_161214	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD060	14 Dec 2016	DD3_SED_161214	-	-	-	-	-	-	-	-	-	-	-
SD060	12 Apr 2018	DD3_SED_12042018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	06 Dec 2018	0908_DD3_SD_181206	-	-	-	-	-	-	-	-	-	-	-
SD060	13 Jun 2019	0908_DD3_SD_190613	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	05 Nov 2019	0908_DD3_SD_191105	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	04 Jun 2020	0908_SD060_200604	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	20 Nov 2020	0908_SD060_201120	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	11 May 2021	0908_SD060_210511	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	15 Nov 2021	0908_SD060_211115	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	18 May 2022	0908_SD060_220518	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC111_221109	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	09 Nov 2022	0908_QC211_221109	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD060	09 Nov 2022	0908_SD060_221109	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	11 May 2023	0908_SD060_230511	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	23 Nov 2023	0908_SD060_231123	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	22 Apr 2024	0908_SD060_240422	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	19 Sep 2024	0908_QC100_240919	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD060	19 Sep 2024	0908_QC200_240919	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005

Table T10 - Historical Sediment Analytical Results

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SD060	19 Sep 2024	0908_SD060_240919	Normal	NSW_0908_PFASOMP_24	0.0012	0.205	0.0213	0.226	0.240	0.0012	0.0018	0.0076	<0.0002	<0.001	<0.0002	0.0011	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	17 Jun 2014	DD5_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	0.056	<0.005	0.056	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	-	<0.005	<0.005	-	-	<0.005	-	-
SD062	13 Jan 2016	DD5_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0009	-	0.0009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD062	14 Dec 2016	DD5_SED_161214	Normal	NSW_0908_PFAS	<0.0002	0.001	0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	12 Apr 2018	DD5_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0079	0.0005	0.0084	0.0084	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_DD5_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0086	0.0004	0.009	0.0094	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_QC110_SD_181207	Field_D	NSW_0908_PFAS	<0.0002	0.0066	0.0004	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Dec 2018	0908_QC205_SD_181207	Interlab_D	NSW_0908_PFAS	<0.001	0.0084	<0.001	0.0094	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD062	13 Jun 2019	0908_DD5_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0303	0.0018	0.0321	0.0321	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	06 Nov 2019	0908_DD5_SD_191106	Normal	NSW_0908_PFASOMP	<0.0002	0.0054	0.0006	0.0060	0.0060	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	02 Jun 2020	0908_SD062_200602	Normal	NSW_0908_PFASOMP	0.0004	0.0800	0.0060	0.0860	0.0888	0.0004	0.0004	0.0010	<0.0002	<0.001	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	20 Nov 2020	0908_SD062_201120	Normal	NSW_0908_PFASOMP	<0.0002	0.0031	0.0004	0.0035	0.0035	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	11 May 2021	0908_SD062_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0312	0.0024	0.0336	0.0343	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	17 Nov 2021	0908_SD062_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0036	0.0003	0.0039	0.0039	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	16 May 2022	0908_SD062_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0004	0.0004	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	07 Nov 2022	0908_SD062_221107	Normal	NSW_0908_PFASOMP	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	11 May 2023	0908_SD062_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0003	<0.0002	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	23 Nov 2023	0908_SD062_231123	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0192	0.0011	0.0203	0.0203	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	22 Apr 2024	0908_SD062_240422	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0096	0.0003	0.0099	0.0099	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD062	20 Sep 2024	0908_SD062_240920	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0026	0.0003	0.0029	0.0029	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	14 Jan 2016	TC2_SD_14012016	Normal	NSW_0908_PFAS	<0.0005	0.0109	-	0.0109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD079	14 Dec 2016	TC2_SED_161214	Normal	NSW_0908_PFAS	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	12 Apr 2018	TC2_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0071	0.0011	0.0082	0.0093	<0.0002	<0.0002	0.0011	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	<0.0002	0.0011	<0.0002	0.0011	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	06 Dec 2018	0908_TC2_SD_181206	Normal	NSW_0908_PFAS	-	-	-	0.0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD079	13 Jun 2019	0908_TC2_SD_190613	Normal	NSW_0908_PFAS	<0.0002	0.0063	0.0007	0.007	0.007	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	05 Nov 2019	0908_TC2_SD_191105	Normal	NSW_0908_PFASOMP	<0.0002	0.0017	0.0004	0.0021	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	02 Jun 2020	0908_SD079_200602	Normal	NSW_0908_PFASOMP	0.0003	0.0597	0.0040	0.0637	0.0652	0.0002	<0.0002	0.0006	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	26 Nov 2020	0908_SD079_201126	Normal	NSW_0908_PFASOMP	<0.0002	0.0271	0.0056	0.0327	0.0338	0.0003	0.0003	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	11 May 2021	0908_SD079_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0079	0.0030	0.0109	0.0114	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	12 Nov 2021	0908_SD079_211112	Normal	NSW_0908_PFASOMP	<0.0002	0.0162	0.0018	0.0180	0.0182	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	16 May 2022	0908_SD079_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0038	0.0006	0.0044	0.0044	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	07 Nov 2022	0908_SD079_221107	Normal	NSW_0908_PFASOMP	<0.0002	0.0483	0.0070	0.0553	0.0553	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD079	09 May 2023	0908_SD079_230509	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0363	0.0034	0.0397	0.0405	<0.0002	0.0003	0.0005	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	21 Nov 2023	0908_QC104_231121	Field_D	NSW_0908_PFASOMP_23	<0.0002	0.0008	<0.0002	0.0008	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	21 Nov 2023	0908_QC204_231121	Interlab_D	NSW_0908_PFASOMP_23	<0.0001	0.0008	<0.0001	0.0008	0.0008	<0.0001	<0.0001	<0.0001	<0.0002	<0.0002	<0.0002	<0.0001	<0.0001	<0.0001	<0.0005	<0.0005	<0.0005	<0.0005	<0.005	<0.0001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.0002	<0.001	<0.001	<0.0002	<0.005
SD079	21 Nov 2023	0908_SD079_231121	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0005	<0.0002	0.0005	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	16 Apr 2024	0908_SD079_240416	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0157	0.0025	0.0182	0.0186	<0.0002	0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD079	25 Sep 2024	0908_SD079_240925	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0182	0.0021	0.0203	0.0205	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	13 Jan 2016	TFD1_SD_13012016	Normal	NSW_0908_PFAS	<0.0005	0.0095	-	0.0095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD081	14 Dec 2016	TFD1_SED_161214	Normal	NSW_0908_PFAS	<0.0005	0.014	<0.0005	0.014	0.0145	0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	12 Apr 2018	TFD1_SED_12042018	Normal	NSW_0908_PFAS	<0.0002	0.0021	0.0004	0.0025	0.0025	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	07 Dec 2018	0908_TFD1_SD_181206	Normal	NSW_0908_PFAS	<0.0005	0.024	0.0015	0.0255	0.0271	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	0.0016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	14 Jun 2019	0908_TFD1_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.019	0.0018	0.0208	0.0208	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	05 Nov 2019	0908_QC102_191105	Field_D	NSW_0908_PFASOMP	<0.0005	0.0174	0.0022	0.0196	0.0196	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	05 Nov 2019	0908_QC202_191105	Interlab_D	NSW_0908_PFASOMP	<0.002	0.015	<0.005	0.015	-	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
SD081	05 Nov 2019	0908_TFD1_SD_191105	Normal	NSW_0908_PFASOMP	<0.0005	0.0174	0.0026	0.0200	0.0200	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD081	02 Jun 2020	0908_SD081_200602	Normal	NSW_0908_PFASOMP	0.0007	0.0434	0.0020	0.0454	0.0474	<0.0002	<0.0002	0.0006	<0.0002	<0.001	<0.0002	0.0005	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	12 Nov 2020	0908_SD081_201112	Normal	NSW_0908_PFASOMP	0.0002	0.0123	0.0006	0.0129	0.0134	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	11 May 2021	0908_SD081_210511	Normal	NSW_0908_PFASOMP	<0.0002	0.0037	0.0004	0.0041	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	17 Nov 2021	0908_SD081_211117	Normal	NSW_0908_PFASOMP	<0.0002	0.0062	<0.0002	0.0062	0.0062	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	16 May 2022	0908_SD081_220516	Normal	NSW_0908_PFASOMP	<0.0002	0.0178	0.0051	0.0229	0.0229	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD081	08 Nov 2022	0908_SD081_221108	Normal	NSW_0908_PFASOMP	<0.0002	0.0005	0.0004	0.0009	0.0009	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	11 May 2023	0908_SD081_230511	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0038	0.0004	0.0042	0.0042	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD081	23 Nov 2023	0908_SD081_231123	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0014	<0.0002	0.0014	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	23 Apr 2024	0908_SD081_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0021	<0.0002	0.0021	0.0021	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD081	20 Sep 2024	0908_SD081_240920	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0137	0.0022	0.0159	0.0159	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0006	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0006	<0.0002	<0.0006	<0.0006	<0.0002	<0.0006
SD108	23 Jun 2014	LC1_SEDIMENT	Normal	NSW_0908_PFAS	<0.005	2.3	0.34	2.64	-	<0.005	-	-	<0.005	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.011	0.27	-	<0.005	<0.005	-	-	<0.005	-	-
SD108	14 Jan 2016	LC_SD_14012015	Normal	NSW_0908_PFAS	0.0028	0.144	-	0.144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD108	14 Sep 2016	LC_0.0-0.1_140916	Normal	NSW_0908_PFAS	<0.0005	0.062	0.00082	0.06282	-	<0.0005	<0.0005	<0.0005	0.00077	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	-	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
SD108	16 Dec 2016	LC_SED_161216	Normal	NSW_0908_PFAS	0.0005	0.0396	0.0016	0.0412	0.0471	<0.0002	<0.0002	0.0003	0.0022	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0025	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

					PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides						
					Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR					0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																														
SD108	12 Apr 2018	LC_SED_13042018	Normal	NSW_0908_PFAS	0.0002	0.0216	0.0006	0.0222	0.0255	<0.0002	<0.0002	<0.0002	0.0009	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	0.0004	<0.0005
SD108	07 Dec 2018	0908_LC_SD_181207	Normal	NSW_0908_PFAS	0.0002	0.0332	0.0016	0.0348	0.0384	<0.0002	<0.0002	<0.0002	0.0008	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0022	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	14 Jun 2019	0908_LC_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0166	0.0005	0.0171	0.0212	<0.0002	<0.0002	<0.0002	0.0007	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0016	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	06 Nov 2019	0908_BD03_SD_191106	Normal	NSW_0908_PFASOMP	0.0006	0.0317	0.0054	0.0371	0.0449	0.0008	0.0006	0.0004	<0.0002	<0.001	0.0008	0.0032	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	0.0002	<0.0005
SD108	06 Nov 2019	0908_LC_SD_191106	Normal	NSW_0908_PFASOMP	0.0004	0.0499	0.0034	0.0533	0.0692	0.0003	<0.0002	0.0003	0.0010	<0.001	0.0003	0.0022	0.0002	<0.0002	0.0003	<0.0002	0.0003	<0.0002	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	0.0096	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	22 May 2020	0908_SD108_200522	Normal	NSW_0908_PFASOMP	0.0006	0.0372	0.0019	0.0391	0.0479	<0.0002	<0.0002	0.0002	0.0010	<0.001	0.0004	0.0010	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0052	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	27 Nov 2020	0908_SD108_201127	Normal	NSW_0908_PFASOMP	0.0008	0.232	0.0070	0.239	0.255	<0.0002	0.0003	0.0008	0.0042	0.002	0.0004	0.0011	0.0002	<0.0002	0.0002	<0.0002	0.0006	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0050	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	11 May 2021	0908_SD108_210511	Normal	NSW_0908_PFASOMP	0.0005	0.192	0.0070	0.199	0.218	0.0003	0.0003	0.0006	0.0061	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0100	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	16 Nov 2021	0908_SD108_211116	Normal	NSW_0908_PFASOMP	0.0005	0.181	0.0075	0.188	0.221	0.0044	0.0002	0.0007	0.0119	<0.001	<0.0002	0.0011	<0.0002	<0.0002	<0.0002	0.0003	0.0010	0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0126	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	19 May 2022	0908_QC109_220519	Field_D	NSW_0908_PFASOMP	<0.0002	0.0879	0.0043	0.0922	0.103	<0.0002	<0.0002	0.0004	0.0028	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0066	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	19 May 2022	0908_SD108_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.0377	0.0016	0.0393	0.0435	<0.0002	<0.0002	<0.0002	0.0010	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0029	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	10 Nov 2022	0908_SD108_221110	Normal	NSW_0908_PFASOMP	0.0002	0.114	0.0079	0.122	0.139	<0.0002	0.0004	0.0004	0.0066	<0.001	<0.0002	0.0007	<0.0002	<0.0002	<0.0002	<0.0002	0.0010	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0081	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	10 May 2023	0908_SD108_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0077	0.0003	0.0080	0.0089	<0.0002	<0.0002	<0.0002	0.0006	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	23 Nov 2023	0908_SD108_231123	Normal	NSW_0908_PFASOMP_23	0.0004	0.190	0.0097	0.200	0.213	<0.0002	0.0004	0.0010	0.0033	<0.001	0.0011	0.0014	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0058	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	18 Apr 2024	0908_SD108_240418	Normal	NSW_0908_PFASOMP_24	0.0012	0.271	0.0188	0.290	0.328	<0.0002	0.0008	0.0019	0.0067	<0.001	0.0013	0.0010	0.0004	0.0002	<0.0002	<0.0002	0.0008	<0.0002	0.0011	<0.0005	<0.0005	<0.0005	<0.0005	0.0231	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD108	25 Sep 2024	0908_SD108_240925	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0698	0.0016	0.0714	0.0905	<0.0002	<0.0002	0.0003	0.0110	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0076	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	LC_B_SED_161216	Normal	NSW_0908_PFAS	<0.0002	0.0096	0.0002	0.0098	0.0101	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	QC602_SED_161216	Field_D	NSW_0908_PFAS	<0.0002	0.0203	0.0006	0.0209	0.0216	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Dec 2016	QC702_SD_161216	Interlab_D	NSW_0908_PFAS	<0.002	0.059	0.0025	0.0615	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.005	-	-	-	-	-	-	-	-	-
SD110	12 Apr 2018	LC_B_SED_13042018	Normal	NSW_0908_PFAS	0.0004	0.0112	0.0007	0.0119	0.0164	<0.0002	<0.0002	<0.0002	0.001	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0027	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	07 Dec 2018	0908_LC_B_SD_181207	Normal	NSW_0908_PFAS	0.0004	0.0288	0.0016	0.0304	0.0375	<0.0002	<0.0002	<0.0002	0.0006	<0.001	0.0005	0.0009	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0045	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_LC_B_SD_190614	Normal	NSW_0908_PFAS	0.0007	0.0548	0.0023	0.0571	0.0688	<0.0002	<0.0002	0.0002	0.0039	<0.001	0.0002	0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0057	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_QC121_190614	Field_D	NSW_0908_PFAS	<0.0002	0.0137	0.0008	0.0145	0.0176	<0.0002	<0.0002	<0.0002	0.0011	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0016	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	14 Jun 2019	0908_QC221_190614	Interlab_D	NSW_0908_PFAS	<0.001	0.0081	0.0012	0.0093	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD110	06 Nov 2019	0908_LC_B_SD_191106	Normal	NSW_0908_PFASOMP	0.0004	0.0433	0.0026	0.0459	0.0534	0.0002	<0.0002	0.0002	0.0004	<0.001	0.0009	0.0019	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0033	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	22 May 2020	0908_SD110_200522	Normal	NSW_0908_PFASOMP	<0.0002	0.0110	0.0007	0.0117	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	27 Nov 2020	0908_SD110_201127	Normal	NSW_0908_PFASOMP	0.0005	0.0703	0.0028	0.0731	0.0810	<0.0002	<0.0002	0.0003	0.0021	<0.001	0.0007	0.0009	0.0002	<0.0002	0.0002	<0.0002	0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0028	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	11 May 2021	0908_SD110_210511	Normal	NSW_0908_PFASOMP	0.0011	0.268	0.0130	0.281	0.318	0.0004	0.0005	0.0015	0.0085	<0.001	<0.0002	0.0013	0.0003	<0.0002	<0.0002	<0.0002	0.0006	0.0007	0.0006	<0.0005	<0.0005	<0.0005	<0.0005	0.0211	<0.0005	0.0005	<0.0005	<0.0005	<0.0002	<0.0005
SD110	16 Nov 2021	0908_SD110_211116	Normal	NSW_0908_PFASOMP	<0.0002	0.189	0.0083	0.197	0.259	0.0022	0.0003	0.0005	0.0028	<0.001	0.0012	0.0044	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0498	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	19 May 2022	0908_SD110_220519	Normal	NSW_0908_PFASOMP	<0.0002	0.200	0.0054	0.205	0.238	<0.0002	<0.0002	0.0015	0.0006	<0.001	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	0.0015	<0.0005	<0.0005	0.0280	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	10 Nov 2022	0908_SD110_221110	Normal	NSW_0908_PFASOMP	0.0006	0.0967	0.0170	0.114	0.129	0.0007	0.0005	0.0007	0.0013	0.001	0.0023	0.0020	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0054	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	10 May 2023	0908_SD110_230510	Normal	NSW_0908_PFASOMP_23	<0.0002	0.169	0.0058	0.175	0.233	<0.0002	0.0003	0.0005	0.0022	<0.001	0.0006	0.0022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0520	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	23 Nov 2023	0908_SD110_231123	Normal	NSW_0908_PFASOMP_23	0.0019	0.517	0.0196	0.537	0.590	0.0019	<0.0005	0.0021	0.0021	<0.002	0.0006	0.0021	0.0008	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0012	<0.0005	0.0020	<0.0005	<0.0005	0.0398	<0.0012	<0.0005	<0.0012	<0.0012	<0.0005	<0.0012
SD110	18 Apr 2024	0908_SD110_240418	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0575	0.0044	0.0619	0.0973	0.0002	0.0003	0.0002	0.0010	<0.001	0.0004	0.0005	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0326	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD110	25 Sep 2024	0908_SD110_240925	Normal	NSW_0908_PFASOMP_24	0.0014	0.427	0.0106	0.438	0.651	<0.0002	0.0003	0.0021	0.0043	<0.001	0.0004	0.0013	0.0005	<0.0002	<0.0002	<0.0002	0.0004	0.0009	0.0016	<0.0005	0.0014	<0.0005	<0.0005	0.199	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	07 Dec 2018	0908_FC1A_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0071	0.0011	0.0082	0.0089	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	14 Jun 2019	0908_FC1A_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0039	0.0002	0.0041	0.0041	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	08 Nov 2019	0908_FC1A_SD_191108	Normal	NSW_0908_PFASOMP	0.0003	0.0029	0.0008	0.0037	0.0042	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	12 Jun 2020	0908_QC111_200612	Field_D	NSW_0908_PFASOMP	0.0025	0.0322	0.0048	0.0370	0.0422	<0.0002	0.0003	0.0005	<0.0002	<0.001	<0.0002	0.0013	0.0006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	12 Jun 2020	0908_QC211_200612	Interlab_D	NSW_0908_PFASOMP	0.0021	0.039	0.0043	0.0433	-	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002	0.0019	<0.001	<0.001	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.002	<0.005	<0.002	<0.002	<0.005
SD254	12 Jun 2020	0908_SD254_200612	Normal	NSW_0908_PFASOMP	0.0025	0.0387	0.0052	0.0439	0.0500	0.0006	0.0003	0.0006	<0.0002	<0.001	<0.0002	0.0013	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	13 Nov 2020	0908_SD254_201113	Normal	NSW_0908_PFASOMP	0.0044	0.0370	0.0032	0.0402	0.0482	<0.0002	<0.0002	0.0006	<0.0002	<0.001	0.0004	0.0015	0.0009	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	10 May 2021	0908_SD254_210510	Normal	NSW_0908_PFASOMP	0.0037	0.0284	0.0031	0.0315	0.0385	<0.0002	0.0002	0.0004	<0.0002	<0.001	0.0005	0.0013	0.0006	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	26 Nov 2021	0908_SD254_211126	Normal	NSW_0908_PFASOMP	0.0015	0.0416	0.0041	0.0457	0.0494	<0.0002	<0.0002	0.0006	0.0004	<0.001	<0.0002	0.0006	0.0003	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	27 May 2022	0908_SD254_220527	Normal	NSW_0908_PFASOMP	0.0011	0.0276	0.0030	0.0306	0.0339	<0.0002	<0.0002	0.0003	0.0006	<0.001	<0.0002	0.0005	<0.0002	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	15 Nov 2022	0908_SD254_221115	Normal	NSW_0908_PFASOMP	0.0005	0.0378	0.0023	0.0401	0.0423	<0.0002	<0.0002	0.0003	0.0012	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	16 May 2023	0908_SD254_230516	Normal	NSW_0908_PFASOMP_23	0.0007	0.0321	0.0016	0.0337	0.0346	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	27 Nov 2023	0908_SD254_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0150	0.0008	0.0158	0.0158	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	23 Apr 2024	0908_SD254_240423	Normal	NSW_0908_PFASOMP_24	0.0005	0.0229	0.0018	0.0247	0.0258	<0.0002	<0.0002	0.0002	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD254	20 Sep 2024	0908_SD254_240920	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0078	<0.0002	0.0078	0.0078	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	07 Dec 2018	0908_FC1B_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0137	0.0003	0.014	0.0145	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	14 Jun 2019	0908_FC1B_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0024	0.0004	0.0028	0.0028	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	08 Nov 2019	0908_FC1B_SD_191108	Normal	NSW_0908_PFASOMP	0.0004	0.0075	0.0020	0.0095	0.0103	<0.0002	0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	12 Jun 2020	0908_SD255_200612	Normal	NSW_0908_PFASOMP	<0.0002	0.0116	0.0011	0.0127	0.0127	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	13 Nov 2020	0908_SD255_201113	Normal	NSW_0908_PFASOMP	0.0008	0.0094	0.0026	0.0120	0.0134	<0.0002	<0.0002	0.0003	0.0003	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	10 May 2021	0908_SD255_210510	Normal	NSW_0908_PFASOMP	0.0023	0.0433	0.0044	0.0477	0.0522	<0.0002	<0.0002	0.0007	<0.0002	<0.001	<0.0002	0.0010	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	26 Nov 2021	0908_SD255_211126	Normal	NSW_0908_PFASOMP	<0.0002	0.0154	0.0007	0.0161	0.0164	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	27 May 2022	0908_SD255_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0309	0.0008	0.0317	0.0320	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0003	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	15 Nov 2022	0908_SD255_221115	Normal	NSW_0908_PFASOMP	<0.0002	0.0288	0.0007	0.0295	0.0299	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	16 May 2023	0908_SD255_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0180	0.0004	0.0184	0.0190	<0.0002	<0.0002	<0.0002	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	27 Nov 2023	0908_SD255_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0115	0.0007	0.0122	0.0122	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Table T10 - Historical Sediment Analytical Results

				PFAS					PFAS - Perfluoroalkyl Sulfonic Acids				PFAS - Perfluoroalkyl Carboxylic Acids										PFAS - (n:2) Fluorotelomer Sulfonic Acids				PFAS - Perfluoroalkyl Sulfonamides												
				Perfluorooctanoic acid (PFOA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	Perfluorobutane sulfonic acid (PFBS)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorononanoic acid (PFNA)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluorotetradecanoic acid (PFTeDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	Perfluorooctane sulfonamide (FOSA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0005	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005	0.0005	0.0002	0.0005
Location Code	**Date**	**Field ID**	**Sample Type**	**Project ID**																																	
SD255	23 Apr 2024	0908_SD255_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0109	<0.0002	0.0109	0.0109	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD255	20 Sep 2024	0908_SD255_240920	Normal	NSW_0908_PFASOMP_24	0.0005	0.0366	0.0014	0.0380	0.0388	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	21 Feb 2017	FCD4_SED_17022017	Normal	NSW_0908_PFAS	<0.0002	0.0168	0.0005	0.0173	0.0175	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	12 Apr 2018	FCD4_SED_13042018	Normal	NSW_0908_PFAS	<0.0002	0.0045	0.0007	0.0052	0.0052	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	07 Dec 2018	0908_FCD4_SD_181207	Normal	NSW_0908_PFAS	<0.0002	0.0014	0.0005	0.0019	0.0019	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	<0.0002	0.0012	<0.0002	0.0012	0.0012	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	14 Jun 2019	0908_FCD4_SD_190614	Normal	NSW_0908_PFAS	-	-	-	0.0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SD259	08 Nov 2019	0908_FCD4_SD_191108	Normal	NSW_0908_PFASOMP	<0.0002	0.0010	0.0013	0.0023	0.0025	<0.0002	0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	25 May 2020	0908_SD259_200525	Normal	NSW_0908_PFASOMP	<0.0002	0.0078	0.0014	0.0092	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	13 Nov 2020	0908_SD259_201113	Normal	NSW_0908_PFASOMP	0.0004	0.0111	0.0029	0.0140	0.0149	<0.0002	<0.0002	0.0003	<0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	10 May 2021	0908_SD259_210510	Normal	NSW_0908_PFASOMP	0.0004	0.0292	0.0045	0.0337	0.0361	0.0003	0.0002	0.0004	0.0006	<0.001	<0.0002	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	26 Nov 2021	0908_SD259_211126	Normal	NSW_0908_PFASOMP	<0.0002	0.0006	0.0004	0.0010	0.0010	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	27 May 2022	0908_SD259_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0016	<0.0002	0.0016	0.0016	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	15 Nov 2022	0908_SD259_221115	Normal	NSW_0908_PFASOMP	<0.0002	0.0042	0.0005	0.0047	0.0047	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	16 May 2023	0908_SD259_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0068	0.0005	0.0073	0.0073	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	27 Nov 2023	0908_SD259_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0089	0.0070	0.0159	0.0165	<0.0002	<0.0002	0.0004	<0.0002	<0.001	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	23 Apr 2024	0908_SD259_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0004	<0.0002	0.0004	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD259	20 Sep 2024	0908_SD259_240920	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0318	0.0217	0.0535	0.0559	<0.0002	0.0004	0.0020	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	08 Nov 2019	0908_FC1C_SD_191108	Normal	NSW_0908_PFASOMP	<0.0002	0.0013	<0.0002	0.0013	0.0013	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	12 Jun 2020	0908_SD326_200612	Normal	NSW_0908_PFASOMP	0.0003	0.0081	0.0009	0.0090	0.0097	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0004	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	13 Nov 2020	0908_SD326_201113	Normal	NSW_0908_PFASOMP	<0.0002	0.0057	0.0006	0.0063	0.0063	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	10 May 2021	0908_SD326_210510	Normal	NSW_0908_PFASOMP	0.0011	0.0262	0.0021	0.0283	0.0319	<0.0002	<0.0002	0.0003	0.0006	<0.001	0.0004	0.0009	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	26 Nov 2021	0908_SD326_211126	Normal	NSW_0908_PFASOMP	<0.0002	0.0133	0.0006	0.0139	0.0143	<0.0002	<0.0002	<0.0002	0.0002	<0.001	<0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	27 May 2022	0908_SD326_220527	Normal	NSW_0908_PFASOMP	<0.0002	0.0154	0.0006	0.0160	0.0160	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	15 Nov 2022	0908_SD326_221115	Normal	NSW_0908_PFASOMP	<0.0002	0.0093	0.0005	0.0098	0.0098	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	16 May 2023	0908_SD326_230516	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0102	0.0004	0.0106	0.0106	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	27 Nov 2023	0908_SD326_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0114	0.0004	0.0118	0.0118	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	23 Apr 2024	0908_SD326_240423	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0127	0.0004	0.0131	0.0131	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD326	20 Sep 2024	0908_SD326_240920	Normal	NSW_0908_PFASOMP_24	0.0004	0.0233	0.0016	0.0249	0.0258	<0.0002	<0.0002	0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD333	22 Apr 2024	0908_SD333_240422	Normal	NSW_0908_PFASOMP_24	0.0012	0.123	0.0248	0.148	0.181	0.0006	0.0017	0.0027	0.0219	<0.001	0.0007	0.0019	0.0007	<0.0002	<0.0002	<0.0002	0.0004	0.0003	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD333	19 Sep 2024	0908_SD333_240919	Normal	NSW_0908_PFASOMP_24	<0.0002	0.0167	0.0019	0.0186	0.0251	<0.0002	<0.0002	<0.0002	0.0054	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0008	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	25 Nov 2022	0908_SD600_221125	Normal	NSW_0908_PFASOMP	<0.0002	0.0164	0.0014	0.0178	0.0181	<0.0002	<0.0002	<0.0002	<0.0002	<0.001	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	15 May 2023	0908_SD600_230515	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0239	0.0007	0.0246	0.0255	<0.0002	<0.0002	<0.0002	0.0009	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	27 Nov 2023	0908_SD600_231127	Normal	NSW_0908_PFASOMP_23	<0.0002	0.0510	0.0016	0.0526	0.0534	<0.0002	<0.0002	0.0004	0.0004	<0.001	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	22 Apr 2024	0908_SD600_240422	Normal	NSW_0908_PFASOMP_24	0.0003	0.0142	0.0026	0.0168	0.0186	<0.0002	0.0002	0.0003	<0.0002	<0.001	0.0002	0.0006	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005
SD600	19 Sep 2024	0908_SD600_240919	Normal	NSW_0908_PFASOMP_24	0.0006	0.0973	0.0056	0.103	0.109	0.0003	0.0003	0.0010	0.0030	<0.001	0.0003	0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0002	<0.0005	<0.0002	<0.0005	<0.0005	<0.0002	<0.0005

Notes

LOR	Limit of Reporting
Normal	Primary sample
Field_D	Intra-laboratory duplicate sample
Interlab_D	Inter-laboratory duplicate sample

Appendix C

Calibration Certificates

WAMSCIENTIFIC
Your water and air monitoring equipment specialists

Certificate of Service and Calibration
Interface Meter
Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	[redacted]
Contact Name	[redacted]
Instrument	Heron H.Oil Interface Meter (30m)
Serial Number	01-7876
Client Name	[redacted] (AECOM Australia Pty Ltd)
Project Number	60569462_21.01
Comments	-

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	[redacted]
Calibration Date	20/09/2024
Calibration Due	20/03/2025

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Your water and air monitoring equipment specialists

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Certificate of Service and Calibration
Interface Meter
Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	[redacted]
Contact Name	[redacted]
Instrument	Heron H.Oil Interface Meter (30m)
Serial Number	01-8142
Client Name	[redacted] (AECOM Australia Pty Ltd)
Project Number	60569462_21.01

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	[redacted]
Calibration Date	17/09/2024
Calibration Due	17/03/2025

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Certificate of Service and Calibration
Interface Meter
Heron H.Oil

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	[redacted]
Contact Name	[redacted]
Instrument	Heron H.Oil Interface Meter (30m)
Serial Number	01-8271
Client Name	[redacted] (AECOM Australia Pty Ltd)
Project Number	60569462_21.01

Instrument Check			
Item	Test	Test Passed	Comments
9V Battery	Klein Tools MM300 Multimeter	✓	Battery voltage reading above 7.9V
Battery Box	Check	✓	No damage
Face and Back Plates	Check	✓	No damage
Thumb Screws	Check	✓	Rubber ends intact
Tape Hangar/Protector	Check	✓	No damage
On/Off Button	Operation	✓	Button is functional
Buzzer	Operation	✓	Intermittent tone in H_2O, solid tone in product
LED Signal Light	Operation	✓	LED light functional – green and red
Probe	Operation/Check	✓	Decontaminated, cleaned and tested
Tape	Condition/Check	✓	Decontaminated and cleaned, no damage
Connection	Check	✓	Probe and link connected correctly and tightly
PCB	Operation	✓	Unit is fully functional
Electronics Panel	Orientation	✓	Correctly aligned

Instrument Readings		
Product	Buzzer	LED Light
H_2O	Intermittent	Blinking – Red
Petroleum	Solid	Steady – Red

Declaration
WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The interface meter was decontaminated, cleaned and tested with a mixture of tap water and petrol, shielded from ambient light.

Checked By	[redacted]
Calibration Date	17/09/2024
Calibration Due	17/03/2025

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WAMSCIENTIFIC
Your water and air monitoring equipment specialists

Certificate of Service and Calibration
Water Quality Meter
YSI Professional Plus

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	[redacted]
Contact Name	[redacted]
Instrument	YSI Pro Quatro Water Quality Meter w/ 1m Quatro Cable
Serial Number	21A102654
Client Name	[redacted] (AECOM Australia Pty Ltd)
Project Number	60569462_21.01
Comments	-

Instrument Check

Item	Test	Test Passed	Comments
2 x Alkaline C-size Batteries	Klein Tools MM300 Multimeter	✓	Both batteries reading above 2.9V
Battery Saver Function	Operation	✓	Automatically turns off after 60 minutes if idle
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Connection Port and Cable	Condition/Check	✓	Clean, no damage
Monitor Housing	Condition/Check	✓	No damage
Firmware	Version	✓	4.0.0
pH Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
pH millivolts for pH 7.00	Calibration	✓	pH 7.00 calibration range between 0 mV ± 50 mV
pH millivolts for pH 4.00	Calibration	✓	pH 4 mV range +165 to +180 from 7 buffer mV value
pH slope	Calibration	✓	Range between 55 to 60 mV/pH (ideal value 59 mV)
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
ORP Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
ORP Reading	Calibration	✓	Within ± 80 mV of reference Zobell Reading
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
Conductivity/Temp Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
Conductivity Cell	Calibration	✓	Conductivity cell constant 5.0 ± 1.0 in GLP file
Clean Sensor Readings	Calibration	✓	Clean sensor reads less than 3 uS/cm in dry air
Dissolved Oxygen Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
DO Cap	Condition/Calibration	✓	1.25 mil PE membrane (yellow membrane)
DO Sensor in Use	Condition	✓	Polarographic DO sensor
DO Sensor Value	Calibration	✓	(min 4.31 uA - max 8.00 uA) Avg 6.15 uA

Instrument Readings

Parameter	Standard Used	Reference No.	Calibration Value	Pre-Cal Value	Post-Cal Value	Units
Temperature	Centre 370 Therm.	Room Temp.	16.0	16.6	16.0	°C
pH	pH 4.00	417183	4.01	4.00	4.01	pH
pH	pH 7.00	419528	7.00	7.01	7.00	pH
Conductivity	2760 µs/cm at 25°C	399819	2760	2793	2760	µs/cm
ORP	Zobell A & B	420448/418958	248.8	241.7	248.8	mV
Zero Dissolved O_2	$NaSO_3$ in Distilled H_2O	426184	0.0	-0.1	0.0	%
100% Dissolved O_2	100% Air Saturated H_2O	Fresh Air	100.0	98.5	100.0	%

Declaration

WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using solutions of known values.

Calibrated By	[redacted]
Calibration Date	17/09/2024
Calibration Due	17/03/2025

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WAMSCIENTIFIC
Your water and air monitoring equipment specialists

Certificate of Service and Calibration
Water Quality Meter
YSI Professional Plus

Company Name	WAM Scientific
Office Address	26 Bungarra Crescent, Chipping Norton NSW 2170
Phone Number	[redacted]
Contact Name	[redacted]
Instrument	YSI Pro Quatro Water Quality Meter w/ 1m Quatro Cable
Serial Number	21C100008
Client Name	[redacted] (AECOM Australia Pty Ltd)
Project Number	60569462_21.01
Comments	-

Instrument Check

Item	Test	Test Passed	Comments
2 x Alkaline C-size Batteries	Klein Tools MM300 Multimeter	✓	Both batteries reading above 2.9V
Battery Saver Function	Operation	✓	Automatically turns off after 60 minutes if idle
Unit Display	Operation	✓	Screen visible, no damage
Keypad	Operation	✓	Responsive, no damage
Connection Port and Cable	Condition/Check	✓	Clean, no damage
Monitor Housing	Condition/Check	✓	No damage
Firmware	Version	✓	4.0.0
pH Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
pH millivolts for pH 7.00	Calibration	✓	pH 7.00 calibration range between 0 mV ± 50 mV
pH millivolts for pH 4.00	Calibration	✓	pH 4 mV range +165 to +180 from 7 buffer mV value
pH slope	Calibration	✓	Range between 55 to 60 mV/pH (ideal value 59 mV)
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
ORP Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
ORP Reading	Calibration	✓	Within ± 80 mV of reference Zobell Reading
Response time < 90 seconds	Calibration	✓	Responds to correct value within 90 seconds
Conductivity/Temp Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
Conductivity Cell	Calibration	✓	Conductivity cell constant 5.0 ± 1.0 in GLP file
Clean Sensor Readings	Calibration	✓	Clean sensor reads less than 3 uS/cm in dry air
Dissolved Oxygen Probe	Condition/Calibration	✓	Calibrated and conforms to manufacturer's specs
DO Cap	Condition/Calibration	✓	1.25 mil PE membrane (yellow membrane)
DO Sensor in Use	Condition	✓	Polarographic DO sensor
DO Sensor Value	Calibration	✓	(min 4.31 uA - max 8.00 uA) Avg 6.15 uA

Instrument Readings

Parameter	Standard Used	Reference No.	Calibration Value	Pre-Cal Value	Post-Cal Value	Units
Temperature	Centre 370 Therm.	Room Temp.	26.5	26.2	26.5	°C
pH	pH 4.00	417183	4.01	4.03	4.01	pH
pH	pH 7.00	419528	7.00	6.99	7.00	pH
Conductivity	2760 µs/cm at 25°C	399819	2760	2778	2760	µs/cm
ORP	Zobell A & B	420448/418958	225.7	242.3	225.7	mV
Zero Dissolved O_2	$NaSO_3$ in Distilled H_2O	426184	0.0	-0.4	0.0	%
100% Dissolved O_2	100% Air Saturated H_2O	Fresh Air	100.0	93.7	100.0	%

Declaration

WAM Scientific certifies that the above instrument was successfully tested according to manufacturer's standards and all necessary checks were conducted to ensure the instrument was fully operational prior to dispatch. The calibration data supplied was obtained in accordance with manufacturer's specifications using solutions of known values.

Calibrated By	[redacted]
Calibration Date	20/09/2024
Calibration Due	20/03/2025

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AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	WLM OMP	**Project Number:**	60612562
Project Location:	Williamtown	**Client:**	Defence
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM Scientific
Make and Model:	YSI Pro-Series
Serial Number:	21A102654

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:	19/9/24				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:		7.0	2391		
Calibration Reading:		6.93	2404		
Calibration Temperature:		17.7	18.0		

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	19/9/24 10:06				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.0	7.0	2391	0	
Bump Test Reading:	4.02	7.03	2391		
Bump Test Temperature:	17.9	17.7	18.0	18.0	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☐ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] (Fieldwork Staff Signature)

19/9/24 Date

Distribution: Project Central File

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	WLM OMP	**Project Number:**	60612562
Project Location:	Williamtown	**Client:**	Defence
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM Scientific
Make and Model:	Ring YSI - Professional Plus
Serial Number:	21A102654

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	20/9/24 7:50am				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.0	7.0	2233	0	
Bump Test Reading:	4.01	7.05	2231	0.04	
Bump Test Temperature:	15	14.5	15	14.9	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☐ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

20/9/24

Date

Distribution: Project Central File

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	WLM OMP	**Project Number:**	60612562
Project Location:	Williamtown	**Client:**	Defence
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Plus
Serial Number:	21A102654

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:	[illegible]				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	23 - 9 - 24		09:35		
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.00	7.02	2496	0.0	
Bump Test Reading:	4.03	7.04	2477	0.03	
Bump Test Temperature:	19.2	19.5	19.7	19.5	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted] — Fieldwork Staff Signature

23 - 09 - 24 — Date

Distribution: Project Central File

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	WLM OMP	**Project Number:**	60612562
Project Location:	Williamtown	**Client:**	Defence
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Plus
Serial Number:	21A102654

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	24-9-24 06:50				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.02	4.00	2496	0.0	
Bump Test Reading:	7.05	4.04	2491	0.02	
Bump Test Temperature:	19.6	19.7	19.6	19.8	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]

Fieldwork Staff Signature

24-9-24

Date

Distribution: Project Central File

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	WLM OMP	**Project Number:**	60612562
Project Location:	Williamtown	**Client:**	Defence
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro DSS
Serial Number:	21A102654

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	25-9-24 06:35				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	4.00	7.02	2496	0.0	
Bump Test Reading:	4.04	7.06	2480	0.05	
Bump Test Temperature:	19.1	19.3	19.6	19.1	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

7

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]
Fieldwork Staff Signature

25-9-24
Date

Distribution: Project Central File

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	WLM OMP	**Project Number:**	60612562
Project Location:	Williamtown	**Client:**	Defence
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Plus
Serial Number:	21A102654

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	26-9-24 06:45				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	MH µS/cm	ppm	ppm
Calibration Standard Concentration:	4.00	7.02	2649 2496	0.0	
Bump Test Reading:	4.04	7.06	2567	0.02	
Bump Test Temperature:	20.0	20.0	20.8	20.1	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff. MH

[redacted]

Fieldwork Staff Signature

26-9-24

Date

Distribution: Project Central File

AECOM

ANZ

FQM - Water Quality Meter Calibration Record

Q4AN(EV)-410-FM1

Project Name:	WLM OMP	**Project Number:**	60612562
Project Location:	Williamtown	**Client:**	Defence
PM Name:	[redacted]	**Fieldwork Staff Name:**	[redacted]

This calibration record is intended to prompt fieldwork staff to calibrate water quality meter (WQM) daily before the start of fieldworks.

INSTRUMENT DETAILS

Supplier:	WAM
Make and Model:	YSI Pro Plus
Serial Number:	21A102654

CALIBRATION

CALIBRATE WITH CALIBRATION SOLUTIONS

Date and Time:					
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:					
Calibration Reading:					
Calibration Temperature:					

ONGOING CHECKS

BUMP TEST WITH CALIBRATION SOLUTION

Date and Time:	27/09/2024				
Parameter	Acidity		Conductivity	Dissolved Oxygen	
Units	pH	pH	µS/cm	ppm	ppm
Calibration Standard Concentration:	7.04	4.00	2180	0.0	
Bump Test Reading:	7.05	4.02	2184	0.2	
Bump Test Temperature:	13.7	13.7	13.8	13.7	

COMMENTS

Detail any equipment faults, minor maintenance performed, change of batteries or technical support provided.

Approval and Distribution

☑ Each individual instrument has been inspected and calibrated daily and bump tested as required by fieldwork staff.

[redacted]
Fieldwork Staff Signature

27 - 9 - 24
Date

Distribution: Project Central File

Appendix D

Analytical Data Validation

DATA VALIDATION REPORT

Project number:	60612562	Validation by:	[redacted]	Date:	16/10/2024
Client:	Department of Defence	Data verified by:	[redacted]	Date:	30/10/2024
Site:	RAAF Base Williamtown				
Matrix type:	Groundwater, Surface Water and Sediment				
Primary samples:	68 Groundwater samples, 25 Surface Water samples and 26 Sediment samples				
Laboratory:	Primary: ALS, Secondary: Envirolab				
Lab reference:	ALS: ES2430937, ES2430939, ES2430942, ES2430943, ES2430944, ES2430946, ES2430947, ES2430949, ES2430950, ES2430951, ES2431761 and ES2431762. Reanalysis: ES2432380 and ES2433127 Envirolab: 362851.				

Key Issues:	No QA/QC issues were identified in the field or laboratory datasets that could have a material implication to decision-making on the project.

Field Quality Assurance and Quality Control

Field DQOs and DQIs	The data quality objectives (DQOs) and data quality indicators (DQIs) adopted for these works are presented in the SAQP (AECOM, 2024).
Sampling personnel	The sampling event was conducted between 19/09/2024 and 27/09/2024 by suitably qualified and experienced AECOM Environmental Scientists and Engineers.
Sampling Methodology	All water and sediment samples were collected in accordance with the methodology outlined in the SAQP (AECOM, 2024). After each sample was collected, reusable equipment was decontaminated using Liquinox and potable water, and the consumables (nitrile gloves and HydraSleeve™ material) were disposed of in waste bins.
Chain of Custody (COC)	All samples collected were reported on the Chain of Custody documents (COC) and subsequent email amendments and analysed for requested analytes.
Rinsate Blank	Rinsate blank samples were collected at a frequency of 1 per day of sampling per sampling team where equipment was re-used and decontaminated between sample points (a total of seven samples were collected). Rinsate blank samples were either collected from the final rinse of the interface probe or the trowel, using laboratory-supplied de-ionised water.
Frequency of field QC	Field duplicates (intra-laboratory duplicates) were collected at/above the required frequency of 1 in 10 primary samples (10%), for water and sediment samples collectively. Overall, 13 field duplicates and 13 field triplicates were collected for 119 primary samples, these comprised: • 10 water field duplicates and 10 water field triplicates, which were collected for 93 primary water samples (10.7% frequency for both) • 3 sediment field duplicates and 3 sediment field triplicates, which were collected for 26 primary sediment samples in total (11.5% frequency for both).
Handling and preservation	All samples were received at the primary laboratory and secondary laboratory in appropriate containers with temperatures between 0.1°C to 3.6°C (with ice present), within the recommended temperature range (<6°C).
Calibration of equipment	Measurements of water geochemical parameters were undertaken using YSI Professional Plus water quality meters, which were calibrated by the supplier prior to use, in accordance with the manufacturer's instructions and bump tested daily by the field personnel. Measurements of depth to groundwater were undertaken using interface probes, which were serviced by the supplier prior to use. All equipment calibration and service certificates are presented in Appendix C.

DATA VALIDATION REPORT

Laboratory QA/QC	
Laboratory DQOs and DQIs	The data quality objectives (DQOs) and data quality indicators (DQIs) adopted for these works are presented in the SAQP (AECOM, 2024).
Tests requested/reported	All samples were analysed for per- and polyfluoroalkyl substances (PFAS) extended suite, at the standard level of detection. All sample requests for analysis are reported on the Chain of Custody (COC) and subsequent email amendments.
Holding time compliance	All samples were extracted and analysed by the laboratory within the recommended holding times.
Laboratory accreditation	The primary laboratory analysis was conducted by ALS Environmental Pty Ltd (Sydney) a National Association of Testing Authorities (NATA) accredited laboratory (Accreditation No. 825). The secondary samples were analysed at Envirolab Services, also a NATA accredited laboratory (accreditation number 2901).
Frequency of laboratory QC	The primary laboratory ALS reported a sufficient frequency of quality control samples to assess whether the results have been reported with acceptable accuracy and precision.
Method Blank	All method blank concentrations were reported <LOR (limit of reporting) for the analytes tested, meeting the project requirements. This is presented in the Quality Control Reports for both laboratories.
Laboratory duplicate RPDs	The reported laboratory duplicate's Relative Percentage Differences (RPDs) were within laboratory control limits. The laboratory duplicate RPDs are presented in the Quality Control Reports for both laboratories.
LCS recovery	Laboratory control spike (LCS) recoveries were within control limits. This is presented in the Quality Control Reports for both laboratories.
Matrix spike recovery	Matrix spike (MS) recoveries were reported within control limits, with the exception of matrix spike recoveries that were not determined for the following: • ES2431761: Perfluorohexane sulfonic acid (PFHxS), 0908_MW281S_240925 • ES2431761: Perfluoroheptane sulfonic acid (PFHpS), 0908_MW281S_240925 • ES2431761: Perfluorooctanoic acid (PFOA), 0908_MW281S_240925 • ES2431761: Perfluorooctane sulfonic acid (PFOS), 0908_MW281S_240925 • ES2431761: PFOS, 0908_MW166_240925 • ES2431762: PFOS, 0908_SD001_240925 • ES2431762: PFOS, 0908_SW588_240925 These non-determinations were due to background levels being greater than or equal to four times spike levels, which do not reflect method bias or affect data interpretation.
Surrogate spike recovery	The reported surrogate spike recoveries were within laboratory control limits.
QA/QC Data Evaluation	
Comparison of Field Observations and Laboratory Results	No anomalies between field observations and analytical results were noted.
Anomalous data	Re-analysis was conducted for samples collected at MW168, MW172, MW270S and SD600, following the initial reporting of PFAS concentrations outside of historical ranges. The re-analysis (reported in batch ES2432380 and ES2433127) broadly

confirmed the originally reported results (see table below). Given the laboratory did not identify any procedural or analytical errors pertaining to their analysis, the most conservative, originally reported concentrations have been retained and used in the assessment.

Location Code	Analysis	PFOA Result	PFOS Result	PFHxS Result	PFOS+PFHxS Result
MW168	Original	1.97	1.98	2.88	4.86
	Re-analysis	1.61	0.77	1.81	2.58
MW172	Original	0.08	0.03	4.28	4.31
	Re-analysis	0.06	0.02	3.42	3.44
MW270S	Original	0.04	0.03	0.07	0.1
	Re-analysis	0.04	0.03	0.05	0.08
SD600	Original	0.0006	0.0973	0.0056	0.103
	Re-analysis	0.0004	0.0658	0.0042	0.07

Data transcription

A check of the laboratory results identified no anomalies within the electronic data, the laboratory reports, and the tables generated by AECOM.

Limits of reporting

With the exception of the PFAS NEMP Freshwater 99% species protection (HEPA 2020) values for PFOS, the laboratory LORs were sufficiently low to enable assessment against adopted guideline criteria.

Rinsate Blank sample results

The concentrations of PFAS in the Rinsate Blank samples (Table D3) were below the LOR, indicating decontamination procedures were adequate.

RPDs for Field Duplicates / Triplicates

RPDs for field duplicates (intra-laboratory duplicates) and triplicates (inter-laboratory duplicates) were reported within acceptable limits (≤30%, or ≤50% for results 10-20 x LOR, or No Limit for results <10 x LOR) (see Table D1 and Table D2), with the exception of:

Intra-laboratory duplicates (Field Duplicates) RPDs

- SD060/QC100: 55% for PFHpS
- SW060/QC101: 44% for Perfluoropentane sulfonic acid (PFPeS)
- SW060/QC101: 37% for PFHpS

Inter-laboratory duplicates (Field Triplicates) RPDs

- SD060/QC200: 36% for PFHpS
- SW060/QC201: 54% for PFHpS
- SW059/QC203: 60% for PFHpS

The concentrations in the individual samples for the elevated RPDs were within the same order of magnitude and may be associated with the low concentrations reported in the samples. As there are no adopted guideline values for PFHpS and PFPeS, the elevated RPDs do not affect interpretation of results against guidelines. Where required for quantitative purposes, the highest concentrations from the primary and duplicate pairs were used in the report.

Overall Assessment

Data validation procedure employed in the assessment of the field and laboratory QA/QC data indicated that the reported analytical results are representative of the sample locations and that the overall quality of the analytical data produced is acceptably reliable for the purpose of this report.

Attached:

Table D1 – Sediment Duplicate RPDs

Table D2 – Water Duplicate RPDs

Table D3 – Rinsate Blank Results

Table D1 - Sediment Duplicate RPDs

Lab Report Number				ES2431762	ES2431762		ES2431762	362851		ES2431762	ES2431762		ES2431762	362851	
Field ID				0908_SD060_240919	0908_QC100_240919		0908_SD060_240919	0908_QC200_240919		0908_SD059_240923	0908_QC102_240923		0908_SD059_240923	0908_QC202_240923	
Matrix Type				Soil	Soil		Soil	Soil		Soil	Soil		Soil	Soil	
Date				19 Sep 2024	19 Sep 2024	RPD	19 Sep 2024	19 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD
	Unit	LOR	RPD												
PFAS															
Perfluorooctanoic acid (PFOA)	mg/kg	0.0001		0.0012	0.0009	29	0.0012	0.0009	29	<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0001		0.205	0.164	22	0.205	0.16	25	0.0011	0.0003	114	0.0011	0.001	10
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0001		0.0213	0.0258	19	0.0213	0.022	3	<0.0002	<0.0002	nc	<0.0002	0.0002	nc
Sum of PFHxS and PFOS	mg/kg	0.0001		0.226	0.19	17	0.226	0.18	23	0.0011	0.0003	114	0.0011	0.0013	17
Sum of PFAS	mg/kg	0.0001		0.24	0.2	18	0.24	0.19	23	0.0011	0.0003	114	0.0011	0.0013	17
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0001		0.0012	0.0012	0	0.0012	0.0012	0	<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0001		0.0018	0.0018	0	0.0018	0.0016	12	<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0001		0.0076	0.0043	**55**	0.0076	0.0053	**36**	<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0002	nc	<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	mg/kg	0.0002		<0.001	<0.001	nc	<0.001	<0.0002	nc	<0.001	<0.001	nc	<0.001	<0.0002	nc
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002		<0.0002	0.0003	nc	<0.0002	0.0003	nc	<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0001		0.0011	0.0014	24	0.0011	0.0013	17	<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0001		0.0003	0.0003	0	0.0003	0.0002	40	<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorononanoic acid (PFNA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc	<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0005	nc	<0.0002	<0.0002	nc	<0.0002	<0.0005	nc
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0005	nc	<0.0002	<0.0002	nc	<0.0002	<0.0005	nc
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0005	nc	<0.0002	<0.0002	nc	<0.0002	<0.0005	nc
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0005	nc	<0.0002	<0.0002	nc	<0.0002	<0.0005	nc
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.005	nc	<0.0005	<0.0005	nc	<0.0005	<0.005	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0001		<0.0005	<0.0005	nc	<0.0005	<0.0001	nc	<0.0005	<0.0005	nc	<0.0005	<0.0001	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0001		<0.0005	<0.0005	nc	<0.0005	<0.0001	nc	<0.0005	<0.0005	nc	<0.0005	<0.0001	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0002		<0.0005	<0.0005	nc	<0.0005	<0.0002	nc	<0.0005	<0.0005	nc	<0.0005	<0.0002	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0002		<0.0005	<0.0005	nc	<0.0005	<0.0002	nc	<0.0005	<0.0005	nc	<0.0005	<0.0002	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.001	nc	<0.0002	<0.0002	nc	<0.0002	<0.001	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.001	nc	<0.0005	<0.0005	nc	<0.0005	<0.001	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0002	nc	<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.001	nc	<0.0005	<0.0005	nc	<0.0005	<0.001	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.001	nc	<0.0005	<0.0005	nc	<0.0005	<0.001	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0002	nc	<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.005	nc	<0.0005	<0.0005	nc	<0.0005	<0.005	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are <LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D1 - Sediment Duplicate RPDs

			Lab Report Number	ES2431762	ES2431762		ES2431762	362851	
			Field ID	0908_SD009_240923	0908_QC105_240923		0908_SD009_240923	0908_QC205_240923	
			Matrix Type	Soil	Soil		Soil	Soil	
			Date	23 Sep 2024	23 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD
	Unit	LOR	RPD						
PFAS									
Perfluorooctanoic acid (PFOA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorooctane sulfonic acid (PFOS)	mg/kg	0.0001		0.0082	0.0099	19	0.0082	0.0066	22
Perfluorohexane sulfonic acid (PFHxS)	mg/kg	0.0001		0.0005	0.0005	0	0.0005	0.0005	0
Sum of PFHxS and PFOS	mg/kg	0.0001		0.0087	0.0104	18	0.0087	0.0071	20
Sum of PFAS	mg/kg	0.0001		0.0087	0.0104	18	0.0087	0.0071	20
PFAS - Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluoropentane sulfonic acid (PFPeS)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluoroheptane sulfonic acid (PFHpS)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorodecane sulfonic acid (PFDS)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
PFAS - Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	mg/kg	0.0002		<0.001	<0.001	nc	<0.001	<0.0002	nc
Perfluoropentanoic acid (PFPeA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
Perfluorohexanoic acid (PFHxA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluoroheptanoic acid (PFHpA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorononanoic acid (PFNA)	mg/kg	0.0001		<0.0002	<0.0002	nc	<0.0002	<0.0001	nc
Perfluorodecanoic acid (PFDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0005	nc
Perfluoroundecanoic acid (PFUnDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.002	nc
Perfluorododecanoic acid (PFDoDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0005	nc
Perfluorotridecanoic acid (PFTrDA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.005	nc
Perfluorotetradecanoic acid (PFTeDA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.005	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	mg/kg	0.0001		<0.0005	<0.0005	nc	<0.0005	<0.0001	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	mg/kg	0.0001		<0.0005	<0.0005	nc	<0.0005	<0.0001	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	mg/kg	0.0002		<0.0005	<0.0005	nc	<0.0005	<0.0002	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	mg/kg	0.0002		<0.0005	<0.0005	nc	<0.0005	<0.0002	nc
PFAS - Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.001	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.001	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.001	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.001	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	mg/kg	0.0002		<0.0002	<0.0002	nc	<0.0002	<0.0002	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	mg/kg	0.0005		<0.0005	<0.0005	nc	<0.0005	<0.005	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are <LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D2 - Water Duplicate RPDs

Lab Report Number				ES2431762	ES2431762		ES2431762	362851		ES2431761	ES2431761		ES2431761	362851	
Field ID				0908_SW060_240919	0908_QC101_240919		0908_SW060_240919	0908_QC201_240919		0908_MW241D_240923	0908_QC106_240923		0908_MW241D_240923	0908_QC206_240923	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				19 Sep 2024	19 Sep 2024	RPD	19 Sep 2024	19 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD
	Unit	LOR	RPD												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		0.76	0.85	11	0.76	0.78	3	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		17.8	17.8	0	17.8	21	16	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		8.1	9.12	12	8.1	11	30	<0.01	<0.01	nc	<0.01	<0.01	nc
Sum of PFHxS and PFOS	µg/L	0.01		25.9	26.9	4	25.9	32	21	<0.01	<0.01	nc	<0.01	<0.01	nc
Sum of PFAS	µg/L	0.01		32.4	34.3	6	32.4	39	18	<0.01	<0.01	nc	<0.01	<0.01	nc
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		0.63	0.79	23	0.63	0.82	26	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		0.84	1.31	**44**	0.84	1.1	27	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		0.63	0.92	**37**	0.63	1.1	**54**	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		0.3	0.3	0	0.3	0.22	31	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		0.49	0.42	15	0.49	0.4	20	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		2.25	2.16	4	2.25	1.9	17	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		0.38	0.33	14	0.38	0.35	8	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are <LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D2 - Water Duplicate RPDs

Lab Report Number				ES2431762	ES2431762		ES2431762	362851		ES2431761	ES2431761		ES2431761	362851	
Field ID				0908_SW059_240923	0908_QC103_240923		0908_SW059_240923	0908_QC203_240923		0908_MW247D_240923	0908_QC107_240923		0908_MW247D_240923	0908_QC207_240923	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				23 Sep 2024	23 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD
	Unit	LOR	RPD												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		0.1	0.11	10	0.1	0.1	0	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		1.7	1.51	12	1.7	1.5	12	0.06	0.06	0	0.06	0.06	0
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		1.5	1.56	4	1.5	1.7	12	0.04	0.04	0	0.04	0.04	0
Sum of PFHxS and PFOS	µg/L	0.01		3.2	3.07	4	3.2	3.3	3	0.1	0.1	0	0.1	0.1	0
Sum of PFAS	µg/L	0.01		4.03	4.04	0	4.03	4.1	2	0.1	0.1	0	0.1	0.1	0
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		0.1	0.13	26	0.1	0.15	40	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		0.12	0.18	40	0.12	0.16	29	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		0.07	0.11	44	0.07	0.13	**60**	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		0.06	0.06	0	0.06	0.05	18	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		0.31	0.29	7	0.31	0.24	25	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		0.04	0.05	22	0.04	0.04	0	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are <LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D2 - Water Duplicate RPDs

Lab Report Number				ES2431762	ES2431762		ES2431762	362851		ES2431761	ES2431761		ES2431761	362851	
Field ID				0908_SW009_240923	0908_QC104_240923		0908_SW009_240923	0908_QC204_240923		0908_MW169D_240924	0908_QC108_240924		0908_MW169D_240924	0908_QC208_240924	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				23 Sep 2024	23 Sep 2024	RPD	23 Sep 2024	23 Sep 2024	RPD	24 Sep 2024	24 Sep 2024	RPD	24 Sep 2024	24 Sep 2024	RPD
	Unit	LOR	RPD												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		0.04	0.05	22	0.04	0.04	0	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		1.56	1.46	7	1.56	1.5	4	0.08	0.07	13	0.08	0.08	0
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.58	0.61	5	0.58	0.62	7	0.1	0.09	11	0.1	0.1	0
Sum of PFHxS and PFOS	µg/L	0.01		2.14	2.07	3	2.14	2.1	2	0.18	0.16	12	0.18	0.18	0
Sum of PFAS	µg/L	0.01		2.4	2.39	0	2.4	2.4	0	0.18	0.16	12	0.18	0.2	11
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		0.02	0.03	40	0.02	0.03	40	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		0.04	0.04	0	0.04	0.04	0	<0.02	<0.02	nc	<0.02	0.01	nc
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		0.04	0.07	55	0.04	0.08	67	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		0.02	0.03	40	0.02	0.02	0	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		0.1	0.1	0	0.1	0.08	22	<0.02	<0.02	nc	<0.02	0.01	nc
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are <LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D2 - Water Duplicate RPDs

Lab Report Number				ES2431761	ES2431761		ES2431761	362851		ES2431761	ES2431761		ES2431761	362851	
Field ID				0908_MW344S_240925	0908_QC109_240925		0908_MW344S_240925	0908_QC209_240925		0908_MW340D_240925	0908_QC110_240925		0908_MW340D_240925	0908_QC210_240925	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				25 Sep 2024	25 Sep 2024	RPD	25 Sep 2024	25 Sep 2024	RPD	25 Sep 2024	25 Sep 2024	RPD	25 Sep 2024	25 Sep 2024	RPD
	Unit	LOR	RPD												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		0.01	0.01	0	0.01	0.01	0	0.04	0.04	0	0.04	0.04	0
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		0.62	0.54	14	0.62	0.53	16	0.1	0.11	10	0.1	0.1	0
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		0.16	0.13	21	0.16	0.15	6	0.46	0.43	7	0.46	0.48	4
Sum of PFHxS and PFOS	µg/L	0.01		0.78	0.67	15	0.78	0.68	14	0.56	0.54	4	0.56	0.57	2
Sum of PFAS	µg/L	0.01		0.99	0.87	13	0.99	0.89	11	0.97	0.96	1	0.97	0.96	1
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		0.05	0.04	22	0.05	0.04	22	0.09	0.09	0	0.09	0.1	11
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		0.03	0.04	29	0.03	0.04	29	0.08	0.09	12	0.08	0.09	12
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		0.04	0.04	0	0.04	0.03	29	0.03	0.03	0	0.03	0.02	40
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		0.08	0.07	13	0.08	0.06	29	0.14	0.14	0	0.14	0.12	15
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	0.01	nc	<0.02	<0.02	nc	<0.02	0.02	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are <LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D2 - Water Duplicate RPDs

Lab Report Number				ES2431761	ES2431761		ES2431761	362851		ES2431761	ES2431761		ES2431761	362851	
Field ID				0908_MW264S_240927	0908_QC111_240927		0908_MW264S_240927	0908_QC211_240927		0908_MW264D_240927	0908_QC112_240927		0908_MW264D_240927	0908_QC212_240927	
Matrix Type				Water	Water		Water	Water		Water	Water		Water	Water	
Date				27 Sep 2024	27 Sep 2024	RPD	27 Sep 2024	27 Sep 2024	RPD	27 Sep 2024	27 Sep 2024	RPD	27 Sep 2024	27 Sep 2024	RPD
	Unit	LOR	RPD												
PFAS															
Perfluorooctanoic acid (PFOA)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc
Sum of PFHxS and PFOS	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc
Sum of PFAS	µg/L	0.01		<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc	<0.01	<0.01	nc
PFAS - Perfluoroalkyl Sulfonic Acids															
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
PFAS - Perfluoroalkyl Carboxylic Acids															
Perfluorobutanoic acid (PFBA)	µg/L	0.02		<0.1	<0.1	nc	<0.1	<0.02	nc	<0.1	<0.1	nc	<0.1	<0.02	nc
Perfluoropentanoic acid (PFPeA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorohexanoic acid (PFHxA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluoroheptanoic acid (PFHpA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorononanoic acid (PFNA)	µg/L	0.01		<0.02	<0.02	nc	<0.02	<0.01	nc	<0.02	<0.02	nc	<0.02	<0.01	nc
Perfluorodecanoic acid (PFDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.05	nc	<0.02	<0.02	nc	<0.02	<0.05	nc
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc
PFAS - (n:2) Fluorotelomer Sulfonic Acids															
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.01		<0.05	<0.05	nc	<0.05	<0.01	nc	<0.05	<0.05	nc	<0.05	<0.01	nc
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.02		<0.05	<0.05	nc	<0.05	<0.02	nc	<0.05	<0.05	nc	<0.05	<0.02	nc
PFAS - Perfluoroalkyl Sulfonamides															
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.1	nc	<0.02	<0.02	nc	<0.02	<0.1	nc
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc	<0.05	<0.05	nc
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.1	nc	<0.05	<0.05	nc	<0.05	<0.1	nc
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02		<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc	<0.02	<0.02	nc
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05		<0.05	<0.05	nc	<0.05	<0.5	nc	<0.05	<0.05	nc	<0.05	<0.5	nc

Notes
LOR = Limit of Reporting
nc = non calculable as concentrations in one or both samples are <LOR
High RPDs (>30%, or >50% for results 10-20 x LOR) are highlighted in bold

Table D3 - Rinsate Blank Results

	Lab Report Number		ES2431761	ES2431761	ES2431761	ES2431761	ES2431761	ES2431761	ES2431761
	Field ID		0908_QC300_240919	0908_QC301_240920	0908_QC302_240923	0908_QC303_240924	0908_QC304_240925	0908_QC305_240926	0908_QC306_240927
	Matrix Type		Water	Water	Water	Water	Water	Water	Water
	Date		19 Sep 2024	20 Sep 2024	23 Sep 2024	24 Sep 2024	25 Sep 2024	26 Sep 2024	27 Sep 2024
	Unit	LOR							
PFAS									
Perfluorooctanoic acid (PFOA)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorooctane sulfonic acid (PFOS)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorohexane sulfonic acid (PFHxS)	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFAS	µg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
PFAS - Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptane sulfonic acid (PFHpS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecane sulfonic acid (PFDS)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
PFAS - Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	µg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorononanoic acid (PFNA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PFAS - (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
PFAS - Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	µg/L	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	µg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Notes
LOR = Limit of Reporting

Appendix E

Laboratory Certificates

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430937**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72951	Issue Date	: 25-Sep-2024 17:22
Sampler	: [redacted]		
Site	: offsite 1		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW238S_240919	0908_MW238D_240919	----	----	----
			Sampling date / time	19-Sep-2024 10:39	19-Sep-2024 10:49	----	----	----
Compound	CAS Number	LOR	Unit	ES2430937-001	ES2430937-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW238S_240919	0908_MW238D_240919	----	----	----
				Sampling date / time	19-Sep-2024 10:39	19-Sep-2024 10:49	----	----	----
Compound	CAS Number	LOR	Unit		ES2430937-001	ES2430937-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**106**	**105**	----	----	----
13C8-PFOA	----	0.02	%		**106**	**108**	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	***Low***	***High***
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430937**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72951	Issue Date	: 25-Sep-2024
Sampler	: [redacted]		
Site	: offsite 1		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	0908_MW238S_240919	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	0908_MW238S_240919	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	0908_MW238S_240919	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	0908_MW238S_240919	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	0908_MW238S_240919	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	0908_MW238S_240919	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	0908_MW238D_240919	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	0908_MW238D_240919	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	0908_MW238D_240919	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued							
ES2430937-002	0908_MW238D_240919	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	0908_MW238D_240919	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430937**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: offsite 1	Issue Date	: 25-Sep-2024
Sampler	: [redacted], [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW238S_240919, 0908_MW238D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW238S_240919, 0908_MW238D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW238S_240919, 0908_MW238D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW238S_240919, 0908_MW238D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW238S_240919, 0908_MW238D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2430937**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 72951	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: offsite 1		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430937-001	19-Sep-2024 10:39	0908_MW238S_240919	✓
ES2430937-002	19-Sep-2024 10:49	0908_MW238D_240919	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 72951 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	[redacted] DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: offsite 1

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Freeze / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments: 3.5

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW238S_240919		19/09/2024 10:39 AM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW238D_240919		19/09/2024 10:49 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney

Work Order Reference

ES2430937

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 72951 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: offsite 1

ORDER NO: 60569462_21.01

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

(Free ice) / frozen ice packs present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW238S_240919	HDPE (no PTFE)	20 mL	00352309026345	Grey	No	
001	0908_MW238S_240919	HDPE (no PTFE)	20 mL	00352309038964	Grey	No	
001	0908_MW238S_240919	HDPE (no PTFE)	20 mL	00352309039030	Grey	No	
001	0908_MW238S_240919	HDPE (no PTFE)	20 mL	00352309038962	Grey	No	
002	0908_MW238D_240919	HDPE (no PTFE)	20 mL	00352309039014	Grey	No	
002	0908_MW238D_240919	HDPE (no PTFE)	20 mL	00352309026330	Grey	No	
002	0908_MW238D_240919	HDPE (no PTFE)	20 mL	00352309026408	Grey	No	
002	0908_MW238D_240919	HDPE (no PTFE)	20 mL	00352309038825	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

ALSCompass
SAMPLING *Intelligence*

Environmental Division
Sydney
Work Order Reference
ES2430937

Telephone - 61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60569462 Client: AECOM Project Manager [redacted]
Phone:

ALS Compass COC Reference: 72951 # Samples: 2 Sampler:
Phone:

Turnaround Requirements: (Standard) _____ Urgent _____

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO (N/A)
	(Free ice) / frozen ice bricks upon receipt? (YES) NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16.20	Date / Time: 20/09/24 16:20	Date / Time: 20/09/24	Date / Time: 20/9/24 19:30

LAB OF OI
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CERTIFICATE OF ANALYSIS

Work Order	: **ES2430939**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72957	Issue Date	: 25-Sep-2024 17:23
Sampler	: [redacted]		
Site	: Offsite 2		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW230S_230919	----	----	----	----
				Sampling date / time	19-Sep-2024 11:28	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430939-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.02**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW230S_230919	----	----	----	----
				Sampling date / time	19-Sep-2024 11:28	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430939-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.02**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.02**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.02**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**102**	----	----	----	----
13C8-PFOA	----	0.02	%		**107**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430939**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72957	Issue Date	: 25-Sep-2024
Sampler	: [redacted]		
Site	: Offsite 2		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430939**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 2	Issue Date	: 25-Sep-2024
Sampler	: [redacted]	No. of samples received	: 1
Order number	: 60612562_8.1	No. of samples analysed	: 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW230S_230919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW230S_230919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW230S_230919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW230S_230919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW230S_230919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2430939**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 72957	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 2		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430939-001	19-Sep-2024 11:28	0908_MW230S_230919	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 72957 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: [redacted] 20/9/24 19:30	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 2

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments: 2.6

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW230S_230919		19/09/2024 11:28 AM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney

Work Order Reference

ES2430939

Telephone: +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 72957 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	[redacted] 20/9/24 1935	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PTASOMP_24

SITE: Offsite 2

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW230S_230919	HDPE (no PTFE)	20 mL	00352309038707	Grey	No	
001	0908_MW230S_230919	HDPE (no PTFE)	20 mL	00352309038746	Grey	No	
001	0908_MW230S_230919	HDPE (no PTFE)	20 mL	00352309038784	Grey	No	
001	0908_MW230S_230919	HDPE (no PTFE)	20 mL	00352309039033	Grey	No	

Total Bottle Count: ALS: 4, Non ALS: 0

ALS Compass
SAMPLING Intelligence

ES2430939

ALS Use Only

Custody Document for Submissions via ALS Compass App

Project: 60569462 Client: AECOM Project Manager [redacted]
Phone:

ALS Compass COC Reference: 72957 # Samples: 1 Sampler:
Phone:

Turnaround Requirements: (Standard) _____ Urgent _____

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO (N/A)
	(Free ice) / frozen ice bricks upon receipt? (YES) NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by: [redacted]	Received by:	Relinquished by:	
Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 16:20	Date / Time: 20/9/24	Date / Time: 20/9/24 19:30

LAB OF ORIGIN: NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430942**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:20
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72966	Issue Date	: 25-Sep-2024 17:22
Sampler	: [redacted]		
Site	: Offsite 4		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW139_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 13:23	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430942-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW139_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 13:23	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430942-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**108**	----	----	----	----
13C8-PFOA	----	0.02	%		**111**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430942**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72966	Issue Date	: 25-Sep-2024
Sampler	: [redacted]		
Site	: Offsite 4		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 1		
No. of samples analysed	: 1		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430942**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 4	Issue Date	: 25-Sep-2024
Sampler	: [redacted]	No. of samples received	: 1
Order number	: 60612562_8.1	No. of samples analysed	: 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / *Container* / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW139_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_MW139_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_MW139_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW139_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_MW139_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2430942**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 72966	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 4		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:20	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 1 / 1

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430942-001	19-Sep-2024 13:23	0908_MW139_240919	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 72966 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY: [redacted]	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 2019 12 4 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 4

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW139_240918		18/09/2024 01:23 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney

Work Order Reference

ES2430942

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 72966 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0903_PFASOMP_24

SITE: Offsite 4

ORDER NO: 60639462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO.: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0903_MW139_240919	HDPE (no PTFE)	20 mL	00352309026410	Grey	No	
001	0903_MW136_240919	HDPE (no PTFE)	20 mL	00352309026360	Grey	No	
001	0903_MW139_240919	HDPE (no PTFE)	20 mL	00352309026404	Grey	No	
001	0903_MW139_240919	HDPE (no PTFE)	20 mL	00352309026368	Grey	No	

Total Bottle Count: ALS: 4, Non ALS: 0

ALSCompass
SAMPLING Intelligence

ALS Use Only

Custody Document for Submissions via ALS Compass App

Project: QC569462 Client: AECOM Project Manager: [redacted]

Phone:

ALS Compass COC Reference: 72966 # Samples: 1 Sampler:

Phone:

Turnaround Requirements: Standard Urgent

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO N/A
	Free ice / frozen ice bricks upon receipt? YES NO N/A
	Random sample temperature on receipt? 5.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 16:20	Date / Time: 20/09/24	Date / Time: 2019 19:30

LAB OF ORIGIN:
NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430943**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72978	Issue Date	: 26-Sep-2024 09:37
Sampler	: [redacted]		
Site	: Offsite 5		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD600_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 14:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430943-001	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**52.2**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0056**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0010**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0973**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		**0.0030**	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		**0.0005**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		**0.0006**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD600_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 14:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430943-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.109**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.103**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.105**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**109**	----	----	----	----
13C8-PFOA	----	0.0002	%		**108**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW600_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 14:40	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430943-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.10**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.16**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**1.01**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.11**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**1.76**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.06**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.25**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.04**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.09**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW600_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 14:40	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430943-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**3.62**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.77**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**3.31**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**101**	----	----	----	----
13C8-PFOA	----	0.02	%		**110**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430943**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72978	Issue Date	: 26-Sep-2024
Sampler	: [redacted]		
Site	: Offsite 5		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6075950)									
ES2430289-001	Anonymous	EA055: Moisture Content	----	0.1	%	2.2	2.0	9.6	0% - 20%
ES2430865-001	Anonymous	EA055: Moisture Content	----	0.1	%	8.2	7.1	13.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	0908_SD600_240919	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0056	0.0058	3.8	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0010	0.0009	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0973	0.0948	2.6	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	0.0030	0.0034	9.7	0% - 50%
ES2430940-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0002	0.0002	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226)									
ES2430943-001	0908_SD600_240919	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0003	0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0005	0.0005	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0006	0.0007	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226) - continued									
ES2430943-001	0908_SD600_240919	EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226)									
ES2430943-001	0908_SD600_240919	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226) - continued									
ES2430940-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	0908_SD600_240919	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192) - continued									
ES2430949-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.4	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.4	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	107	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.7	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	108	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.2	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	122	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	124	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	101	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	102	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	117	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	85.0	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.8	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	108	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	91.8	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	119	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	113	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	0908_SD600_240919	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	111	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	86.6	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.4	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	99.0	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	98.1	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)							
ES2430943-001	0908_SD600_240919	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	101	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	108	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	98.6	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	104	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	101	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	107	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	107	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	104	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	123	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	118	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)							

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Matrix Spike (MS) Report: Acceptable Limits (%) Low	Matrix Spike (MS) Report: Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226) - continued							
ES2430943-001	0908_SD600_240919	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	108	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	101	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	110	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	96.0	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	111	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	81.4	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	90.1	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	0908_SD600_240919	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	114	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	99.9	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	113	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	118	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Matrix Spike (MS) Report: Acceptable Limits (%) Low	Matrix Spike (MS) Report: Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430943**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 5	Issue Date	: 26-Sep-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2430943--001	0908_SD600_240919	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055) 0908_SD600_240919	**19-Sep-2024**	**----**	----	----	**24-Sep-2024**	03-Oct-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 0908_SD600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) 0908_SD600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) 0908_SD600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_SW600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_SW600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_SW600_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2430943**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 72978	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 5		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2430943-001	19-Sep-2024 14:35	0908_SD600_240919	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430943-002	19-Sep-2024 14:40	0908_SW600_240919	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]

[redacted]

- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

[redacted]

- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 72978 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	[redacted] DATE TIME: 20/9/24 1920	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 5

ORDER NO: 60669462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

Environmental Division Sydney

Work Order Reference

ES2430943

Telephone : +61-2-8784 8555

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SD600_240919		19/09/2024 02:35 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
002	0908_SW600_240919		19/09/2024 02:40 PM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

COC#: 72978 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 5

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SD600_240919	HDPE Soil Jar	200 mL	00621222013623	Grey	No	
002	0908_SW600_240919	HDPE (no PTFE)	20 mL	00352309038808	Grey	No	
002	0908_SW600_240919	HDPE (no PTFE)	20 mL	00352309026436	Grey	No	
002	0908_SW600_240919	HDPE (no PTFE)	20 mL	00352309039075	Grey	No	
002	0908_SW600_240919	HDPE (no PTFE)	20 mL	00352309026336	Grey	No	

Total Bottle Count: ALS: 5, Non ALS: 0

ALSCompass
SAMPLING Intelligence

ALS

Environmental Division
Sydney
Work Order Reference
ES2430943

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60569463 Client: AECOM Project Manager: [redacted]
Phone:

ALS Compass COC Reference: 72978 # Samples: 2 Sampler:
Phone:

Turnaround Requirements: Standard Urgent

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO N/A
	Free ice / frozen ice bricks upon receipt? YES NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 16:20	Date / Time: 20/9/24	Date / Time: 20/9 19:90

LAB OF ORIGIN:
NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430944**	Page	: 1 of 5
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72981	Issue Date	: 02-Oct-2024 11:28
Sampler	: [redacted]		
Site	: Offsite 6		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Amendment (02/10/2024): This report has been amended as a result of a request to change sample identification numbers (IDs) received from Nicola Tomlin on 02/10/2024, for sample 002. All analysis results are as per the previous report.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW271S_240919	0908_MW271D_240919	----	----	----
			Sampling date / time	19-Sep-2024 15:28	19-Sep-2024 15:38	----	----	----
Compound	CAS Number	LOR	Unit	ES2430944-001	ES2430944-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	**0.06**	<0.02	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	**0.02**	<0.02	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	**0.03**	<0.01	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	**0.04**	<0.02	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW271S_240919	0908_MW271D_240919	----	----	----
				Sampling date / time	19-Sep-2024 15:28	19-Sep-2024 15:38	----	----	----
Compound	CAS Number	LOR	Unit		ES2430944-001	ES2430944-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.19**	<0.01	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.03**	<0.01	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.13**	<0.01	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**108**	**110**	----	----	----
13C8-PFOA	----	0.02	%		**102**	**107**	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430944**	Page	: 1 of 7
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72981	Issue Date	: 02-Oct-2024
Sampler	: [redacted]		
Site	: Offsite 6		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430944**	Page	: 1 of 4
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 6	Issue Date	: 02-Oct-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / *Container* / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW271S_240919, 0908_MW271D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW271S_240919, 0908_MW271D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW271S_240919, 0908_MW271D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW271S_240919, 0908_MW271D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW271S_240919, 0908_MW271D_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2430944**		
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v5 60612562_8.1)
C-O-C number	: 72981	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 6		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 02-Oct-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430944-001	19-Sep-2024 15:28	0908_MW271S_240919	✓
ES2430944-002	19-Sep-2024 15:38	0908_MW271D_240919	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email — [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email — [redacted]

- *AU Certificate of Analysis - NATA (COA) — Email — [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email — [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email — [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email — [redacted]
- A4 - AU Tax Invoice (INV) — Email — [redacted]
- Chain of Custody (CoC) (COC) — Email — [redacted]
- EDI Format - ESDAT (ESDAT) — Email — [redacted]

- *AU Certificate of Analysis - NATA (COA) — Email — [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email — [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email — [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email — [redacted]
- Chain of Custody (CoC) (COC) — Email — [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email — [redacted]
- EDI Format - ESDAT (ESDAT) — Email — [redacted]

CHAIN OF CUSTODY

COC#: 72981 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0906_PFASOMP_24

SITE: Offsite 6

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No ~~N/A~~

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments: WG

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - Now Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0906_MW271S_240919		19/09/2024 03:28 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0906_SW271D_240919		19/09/2024 03:36 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney

Work Order Reference

ES2430944

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 72981 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 6

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW271S_240919	HDPE (no PTFE)	20 mL	00352309026373	Grey	No	
001	0908_MW271S_240919	HDPE (no PTFE)	20 mL	00352309026401	Grey	No	
001	0908_MW271S_240919	HDPE (no PTFE)	20 mL	00352309026351	Grey	No	
001	0908_MW271S_240919	HDPE (no PTFE)	20 mL	00352309026393	Grey	No	
002	0908_SW271D_240919	HDPE (no PTFE)	20 mL	00352309026325	Grey	No	
002	0908_SW271D_240919	HDPE (no PTFE)	20 mL	00352309039055	Grey	No	
002	0908_SW271D_240919	HDPE (no PTFE)	20 mL	00352309038824	Grey	No	
002	0908_SW271D_240919	HDPE (no PTFE)	20 mL	00352309026442	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

ALSCompass
SAMPLING Intelligence

ALS

Environmental Division
Sydney
Work Order Reference
ES2430944

Telephone - 61-2-8784 6555

Custody Document for Submissions via ALS Compass App

Project: 60604462 Client: AECOM Project Manager [redacted]
Phone:

ALS Compass COC Reference: 72981 # Samples: 2 Sampler:
Phone:

Turnaround Requirements: (Standard) _____ Urgent _____

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO (N/A)
	(Free ice) / frozen ice bricks upon receipt? (YES) NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16.20	Date / Time: 20/09/24 16.20	Date / Time: 20/9/24 8	Date / Time: 2/9 09:30

LAB OF ORIGIN:
NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430946**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72984	Issue Date	: 26-Sep-2024 09:37
Sampler	: [redacted]		
Site	: Offsite 7		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD333_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 16:15	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430946-001	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**53.0**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0019**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0167**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		**0.0054**	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		**0.0008**	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD333_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 16:15	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430946-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0251**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0186**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0186**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**103**	----	----	----	----
13C8-PFOA	----	0.0002	%		**104**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW333_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 16:30	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430946-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.08**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.12**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.94**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.09**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.81**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.04**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.24**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.03**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.07**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW333_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 16:30	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430946-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		**0.49**	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.94**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.75**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**2.70**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**107**	----	----	----	----
13C8-PFOA	----	0.02	%		**104**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430946**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72984	Issue Date	: 26-Sep-2024
Sampler	: [redacted]		
Site	: Offsite 7		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6075950)									
ES2430289-001	Anonymous	EA055: Moisture Content	----	0.1	%	2.2	2.0	9.6	0% - 20%
ES2430865-001	Anonymous	EA055: Moisture Content	----	0.1	%	8.2	7.1	13.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0056	0.0058	3.8	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0010	0.0009	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0973	0.0948	2.6	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	0.0030	0.0034	9.7	0% - 50%
ES2430940-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0002	0.0002	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0003	0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0005	0.0005	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0006	0.0007	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226) - continued									
ES2430943-001	Anonymous	EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226) - continued									
ES2430940-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192) - continued									
ES2430949-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.4	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.4	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	107	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.7	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	108	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.2	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	122	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	124	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	101	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	102	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	117	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	85.0	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.8	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	108	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	91.8	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	119	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	113	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	111	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	86.6	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.4	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	99.0	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	98.1	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	101	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	108	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	98.6	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	104	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	101	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	107	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	107	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	104	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	123	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	118	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)							

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226) - continued							
ES2430943-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	108	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	101	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	110	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	96.0	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	111	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	81.4	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	90.1	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	114	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	99.9	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	113	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	118	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430946**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 7	Issue Date	: 26-Sep-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2430943--001	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055) 0908_SD333_240919	**19-Sep-2024**	**----**	----	----	**24-Sep-2024**	03-Oct-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 0908_SD333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) 0908_SD333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) 0908_SD333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_SW333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_SW333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_SW333_240919	**19-Sep-2024**	**23-Sep-2024**	18-Mar-2025	✓	**25-Sep-2024**	18-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2430946**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 72984	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 7		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2430946-001	19-Sep-2024 16:15	0908_SD333_240919	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430946-002	19-Sep-2024 16:30	0908_SW333_240919	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]

[redacted]

- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

[redacted]

- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 72984 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 7

ORDER NO: 60559462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SD033_240919		19/09/2024 04:15 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
002	0908_SW033_240919		19/09/2024 04:30 PM	WATER	ALS: 4 Non ALS: 0	No		X		

Environmental Division Sydney

Work Order Reference

ES2430946

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 72984 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20 19/29 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 7

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice packs present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SD333_240919	HDPE Soil Jar	200 mL	00621222013515	Grey	No	
002	0908_SW333_240919	HDPE (no PTFE)	20 mL	00352309038828	Grey	No	
002	0908_SW333_240919	HDPE (no PTFE)	20 mL	00352309026451	Grey	No	
002	0908_SW333_240919	HDPE (no PTFE)	20 mL	00352309038838	Grey	No	
002	0908_SW333_240919	HDPE (no PTFE)	20 mL	00352309039036	Grey	No	

Total Bottle Count: ALS: 5, Non ALS: 0

ALS Compass
SAMPLING Intelligence

Environmental Division
Sydney
Work Order Reference
ES2430946

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60609462 Client: AECOM Project Manager: [redacted]
Phone:

ALS Compass COC Reference: 72984 # Samples: 2 Sampler: [redacted]
Phone:

Turnaround Requirements: (Standard) _____ Urgent _____

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO (N/A)
	(Free ice) / frozen ice bricks upon receipt? (YES) NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 16:20	Date / Time: 20/9/24	Date / Time: 20/9 16:30

LAB OF ORIGIN:
NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430947**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72993	Issue Date	: 26-Sep-2024 09:38
Sampler	: [redacted]		
Site	: Offsite 8		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 5		
No. of samples analysed	: 5		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD259_240920	0908_SD326_240920	0908_SD254_240920	0908_SD255_240920	----
			Sampling date / time	20-Sep-2024 09:44	20-Sep-2024 10:03	20-Sep-2024 10:14	20-Sep-2024 10:09	----
Compound	CAS Number	LOR	Unit	ES2430947-001	ES2430947-003	ES2430947-004	ES2430947-005	--------
				Result	Result	Result	Result	----
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	0.1	%	**44.7**	**24.7**	**21.8**	**24.0**	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	**0.0004**	<0.0002	<0.0002	<0.0002	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	**0.0217**	**0.0016**	<0.0002	**0.0014**	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	**0.0020**	**0.0002**	<0.0002	**0.0003**	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	**0.0318**	**0.0233**	**0.0078**	**0.0366**	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	<0.001	<0.001	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	**0.0003**	<0.0002	<0.0002	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	**0.0004**	<0.0002	**0.0005**	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)			Sample ID	0908_SD259_240920	0908_SD326_240920	0908_SD254_240920	0908_SD255_240920	----
			Sampling date / time	20-Sep-2024 09:44	20-Sep-2024 10:03	20-Sep-2024 10:14	20-Sep-2024 10:09	----
Compound	CAS Number	LOR	Unit	ES2430947-001	ES2430947-003	ES2430947-004	ES2430947-005	--------
				Result	Result	Result	Result	----
EP231C: Perfluoroalkyl Sulfonamides - Continued								
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	<0.0002	<0.0002	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	<0.0005	<0.0005	----
EP231P: PFAS Sums								
Sum of PFAS	----	0.0002	mg/kg	**0.0559**	**0.0258**	**0.0078**	**0.0388**	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	**0.0535**	**0.0249**	**0.0078**	**0.0380**	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg	**0.0535**	**0.0256**	**0.0078**	**0.0385**	----
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.0002	%	**106**	**106**	**107**	**108**	----
13C8-PFOA	----	0.0002	%	**114**	**109**	**106**	**109**	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW259_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 09:45	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430947-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.06**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.10**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.64**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.07**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**1.04**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.04**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.15**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.02**	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.06**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW259_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 09:45	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430947-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.20**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.68**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**2.01**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**104**	----	----	----	----
13C8-PFOA	----	0.02	%		**107**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430947**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 72993	Issue Date	: 26-Sep-2024
Sampler	: [redacted]		
Site	: Offsite 8		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 5		
No. of samples analysed	: 5		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6075950)									
ES2430289-001	Anonymous	EA055: Moisture Content	----	0.1	%	2.2	2.0	9.6	0% - 20%
ES2430865-001	Anonymous	EA055: Moisture Content	----	0.1	%	8.2	7.1	13.7	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6075951)									
ES2431091-001	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	21.7	23.9	9.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0056	0.0058	3.8	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0010	0.0009	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0973	0.0948	2.6	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	0.0030	0.0034	9.7	0% - 50%
ES2430940-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0002	0.0002	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0003	0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0005	0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226) - continued									
ES2430943-001	Anonymous	EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0006	0.0007	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226) - continued									
ES2430940-001	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192) - continued									
ES2430949-001	Anonymous	EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192) - continued									
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.4	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.4	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	107	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.7	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	108	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.2	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	122	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	124	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	101	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	102	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	117	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	85.0	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.8	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	108	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	91.8	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	119	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	113	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	111	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	86.6	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.4	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	99.0	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	98.1	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	101	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	108	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	98.6	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	104	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	101	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	107	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	107	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	104	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	123	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	118	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)							

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226) - continued							
ES2430943-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	108	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	101	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	110	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	96.0	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	111	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	81.4	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	90.1	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	114	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	99.9	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	113	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	118	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430947**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 8	Issue Date	: 26-Sep-2024
Sampler	: [redacted]	No. of samples received	: 5
Order number	: 60612562_8.1	No. of samples analysed	: 5

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2430943--001	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055)							
0908_SD259_240920, 0908_SD326_240920, 0908_SD254_240920, 0908_SD255_240920	**20-Sep-2024**	**----**	----	----	**24-Sep-2024**	04-Oct-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD259_240920, 0908_SD326_240920, 0908_SD254_240920, 0908_SD255_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X)							
0908_SD259_240920, 0908_SD326_240920, 0908_SD254_240920, 0908_SD255_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X)							
0908_SD259_240920, 0908_SD326_240920, 0908_SD254_240920, 0908_SD255_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD259_240920, 0908_SD326_240920, 0908_SD254_240920, 0908_SD255_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X)							
0908_SD259_240920, 0908_SD326_240920, 0908_SD254_240920, 0908_SD255_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW259_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_SW259_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_SW259_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW259_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_SW259_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	3	28	**10.71**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2430947**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 72993	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 8		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 5 / 5

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2430947-001	20-Sep-2024 09:44	0908_SD259_240920	✓	✓
ES2430947-003	20-Sep-2024 10:03	0908_SD326_240920	✓	✓
ES2430947-004	20-Sep-2024 10:14	0908_SD254_240920	✓	✓
ES2430947-005	20-Sep-2024 10:09	0908_SD255_240920	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430947-002	20-Sep-2024 09:45	0908_SW259_240920	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	[redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	[redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	[redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	[redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	[redacted]
- A4 - AU Tax Invoice (INV)	Email	[redacted]
- Chain of Custody (CoC) (COC)	Email	[redacted]
- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	[redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	[redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	[redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	[redacted]
- Chain of Custody (CoC) (COC)	Email	[redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	[redacted]
- EDI Format - ESDAT (ESDAT)	Email	[redacted]

CHAIN OF CUSTODY

COC#: 72993 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 8

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8,1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.1 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SD259_240920		20/09/2024 09:44 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
002	0908_GW259_240920		20/09/2024 09:45 AM	WATER	ALS: 4 Non ALS: 0	No		X		
003	0908_SD326_240920		20/09/2024 10:03 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
004	0908_SD254_240920		20/09/2024 10:14 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
005	0908_SD255_240920		20/09/2024 10:09 AM	SOIL	ALS: 1 Non ALS: 0	No	X			

Environmental Division Sydney

Work Order Reference

ES2430947

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 72993 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY: [redacted]	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 2019/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 8

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:
QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SD259_240920	HDPE Soil Jar	200 mL	00621222013545	Grey	No	
002	0908_SW259_240920	HDPE (no PTFE)	20 ml	00352301309046	Grey	No	
002	0908_SW259_240920	HDPE (no PTFE)	20 mL	00352309030035	Grey	No	
002	0908_SW259_240920	HDPE (no PTFE)	20 mL	00352309038972	Grey	No	
002	0908_SW259_240920	HDPE (no PTFE)	20 mL	00352309038974	Grey	No	
003	0908_SD326_240920	HDPE Soil Jar	200 mL	00621222032438	Grey	No	
004	0908_SD254_240920	HDPE Soil Jar	200 mL	00621222013535	Grey	No	
005	0908_SD255_240920	HDPE Soil Jar	200 mL	00621222032369	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

ALSCompass
SAMPLING Intelligence

ALS

Environmental Division
Sydney
Work Order Reference
ES2430947

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60589462 Client: AECOM Project Manager: [redacted]
Phone:

ALS Compass COC Reference: 72993 # Samples: 5 Sampler:
Phone:

Turnaround Requirements: Standard Urgent

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO N/A
	Free ice / frozen ice bricks upon receipt? YES NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 16.20	Date / Time: 20/9/24	Date / Time: 2019 1650

LAB OF ORIGIN:
NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430949**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 73000	Issue Date	: 26-Sep-2024 09:37
Sampler	: [redacted]		
Site	: Offsite 9		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD019_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 11:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430949-002	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**48.8**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0008**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0056**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		**0.0010**	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	----	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD019_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 11:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430949-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0074**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0064**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0074**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**106**	----	----	----	----
13C8-PFOA	----	0.0002	%		**109**	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW019_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 11:50	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430949-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.13**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.14**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW019_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 11:50	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2430949-001	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.27**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.27**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.27**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**106**	----	----	----	----
13C8-PFOA	----	0.02	%		**109**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430949**	Page	: 1 of 11
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 73000	Issue Date	: 26-Sep-2024
Sampler	: [redacted]		
Site	: Offsite 9		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Inorganics, Smithfield, NSW
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6075951)									
ES2431091-001	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	21.7	23.9	9.7	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0056	0.0058	3.8	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0010	0.0009	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0973	0.0948	2.6	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	0.0030	0.0034	9.7	0% - 50%
ES2430940-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0002	0.0002	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0003	0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0005	0.0005	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0006	0.0007	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6072226) - continued									
ES2430943-001	Anonymous	EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6072226) - continued									
ES2430940-001	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6072226)									
ES2430943-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2430940-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	0908_SW019_240920	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	0908_SW019_240920	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	0908_SW019_240920	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192) - continued									
ES2430949-001	0908_SW019_240920	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	0908_SW019_240920	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	0908_SW019_240920	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.4	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.4	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	107	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.7	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	108	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.2	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	109	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	122	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	124	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	101	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	116	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	102	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	117	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	85.0	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.8	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	108	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	91.8	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	119	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	113	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	111	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	86.6	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	69.4	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	99.0	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	98.1	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	101	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	108	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	98.6	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	104	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	101	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	107	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	107	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	104	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	123	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	118	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	116	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226)							

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6072226) - continued							
ES2430943-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	108	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	101	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	110	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	96.0	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	111	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	81.4	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	90.1	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6072226)							
ES2430943-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	114	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	99.9	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	113	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	118	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Acceptable Limits (%) Low	Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430949**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 9	Issue Date	: 26-Sep-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2430943--001	Anonymous	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055) 0908_SD019_240920	**20-Sep-2024**	**----**	----	----	**24-Sep-2024**	04-Oct-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 0908_SD019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) 0908_SD019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) 0908_SD019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	02-Nov-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_SW019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_SW019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_SW019_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	1	9	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	**10.53**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	**5.26**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2430949**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 73000	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 9		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2430949-002	20-Sep-2024 11:35	0908_SD019_240920	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430949-001	20-Sep-2024 11:50	0908_SW019_240920	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	[redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	[redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	[redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	[redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	[redacted]
- A4 - AU Tax Invoice (INV)	Email	[redacted]
- Chain of Custody (CoC) (COC)	Email	[redacted]
- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	[redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	[redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	[redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	[redacted]
- Chain of Custody (CoC) (COC)	Email	[redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	[redacted]
- EDI Format - ESDAT (ESDAT)	Email	[redacted]

CHAIN OF CUSTODY

COC#: 73000 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	[redacted] DATE TIME: 2019/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 9

ORDER NO: 60559462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SW019_240920		20/09/2024 11:50 AM	WATER	ALS: 4 Non ALS: 0	No		X		
002	0908_SD019_240920		20/09/2024 11:35 AM	SOIL	ALS: 1 Non ALS: 0	No	X			

Environmental Division Sydney

Work Order Reference

ES2430949

Telephone - 61-2-8784 8555

CHAIN OF CUSTODY

COC#: 73000 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 19/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 9

ORDER NO: 60569482_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_3.1 / ES2021AECOMAU003

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Pres ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SW019_240920	HDPE (no PTFE)	20 mL	00352309038741	Grey	No	
001	0908_SW019_240920	HDPE (no PTFE)	20 mL	00352309038690	Grey	No	
001	0908_SW019_240920	HDPE (no PTFE)	20 mL	00352309038654	Grey	No	
001	0908_SW019_240920	HDPE (no PTFE)	20 mL	00352309026319	Grey	No	
002	0908_SD019_240920	HDPE Soil Jar	200 mL	00621222032376	Grey	No	

Total Bottle Count: ALS: 5, Non ALS: 0

ALSCompass
SAMPLING Intelligence

ALS

Environmental Division
Sydney
Work Order Reference
ES2430949

Telephone : + 61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60569462 Client: AECOM Project Manager [redacted]
Phone:

ALS Compass COC Reference: 73000 # Samples: 2 Sampler:
Phone:

Turnaround Requirements: (Standard) Urgent

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO (N/A)
	(Free ice) / frozen ice bricks upon receipt? (YES) NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 8	Date / Time: 2 0/9 19:30

LAB OF ORIGIN:
NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430950**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 73001	Issue Date	: 25-Sep-2024 17:23
Sampler	: [redacted]		
Site	: Offsite 10		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)			Sample ID	0908_MW270S_240920	0908_MW270D_240920	----	----	----
			Sampling date / time	20-Sep-2024 12:33	20-Sep-2024 12:25	----	----	----
Compound	CAS Number	LOR	Unit	ES2430950-001	ES2430950-002	--------	--------	--------
				Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	**0.07**	<0.01	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	**0.03**	<0.01	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids								
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	**0.11**	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	**0.11**	<0.02	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	**0.08**	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	**0.04**	<0.01	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides								
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW270S_240920	0908_MW270D_240920	----	----	----
				Sampling date / time	20-Sep-2024 12:33	20-Sep-2024 12:25	----	----	----
Compound	CAS Number	LOR	Unit		ES2430950-001	ES2430950-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.44**	<0.01	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.10**	<0.01	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.44**	<0.01	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**105**	**108**	----	----	----
13C8-PFOA	----	0.02	%		**106**	**95.0**	----	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430950**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 73001	Issue Date	: 25-Sep-2024
Sampler	: [redacted]		
Site	: Offsite 10		
Quote number	: SY/139/19 v4 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430950**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 10	Issue Date	: 25-Sep-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW270S_240920, 0908_MW270D_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW270S_240920, 0908_MW270D_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW270S_240920, 0908_MW270D_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW270S_240920, 0908_MW270D_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW270S_240920, 0908_MW270D_240920	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2430950**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v4 60612562_8.1)
C-O-C number	: 73001	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 10		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 20-Sep-2024
Client Requested Due Date	: 27-Sep-2024	Scheduled Reporting Date	: **27-Sep-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430950-001	20-Sep-2024 12:33	0908_MW270S_240920	✓
ES2430950-002	20-Sep-2024 12:25	0908_MW270D_240920	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 73001 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY: [redacted]	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 10

ORDER NO. 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 3

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.6 °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW270S_240920		20/09/2024 12:33 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW270D_240920		20/09/2024 12:25 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division Sydney

Work Order Reference

ES2430950

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 73001 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY: [redacted]	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 10

ORDER NO: 60569482_21.01

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003C

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No (N/A)

Free ice / frozen ice bricks present upon receipt? (Yes) No N/A

Random Sample Temperature on Receipt: 3.5 °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW270S_240920	HDPE (no PTFE)	20 mL	00352309038887	Grey	No	
001	0908_MW270S_240920	HDPE (no PTFE)	20 mL	00352309038982	Grey	No	
001	0908_MW270S_240920	HDPE (no PTFE)	20 mL	00352309038995	Grey	No	
001	0908_MW270S_240920	HDPE (no PTFE)	20 mL	00352309038750	Grey	No	
002	0908_MW270D_240920	HDPE (no PTFE)	20 mL	00352309038652	Grey	No	
002	0908_MW270D_240920	HDPE (no PTFE)	20 mL	00352309038661	Grey	No	
002	0908_MW270D_240920	HDPE (no PTFE)	20 mL	00352309038672	Grey	No	
002	0908_MW270D_240920	HDPE (no PTFE)	20 mL	00352309038868	Grey	No	

Total Bottle Count: ALS: 8, Non ALS: 0

ALSCompass
SAMPLING Intelligence

ALS

Environmental Division
Sydney
Work Order Reference
ES2430950

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60509462 Client: AECOM Project Manager: [redacted]
Phone:

ALS Compass COC Reference: 73001 # Samples: 2 Sampler:
Phone:

Turnaround Requirements: Standard Urgent

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO N/A
	Free ice / frozen ice bricks upon receipt? YES NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/09/24 16:20	Date / Time: 20/09/24 16:20	Date / Time: 20/9/24	Date / Time: 20/9/24 19:30

LAB OF OR
NE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2430951**	Page	: 1 of 5
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024 16:00
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 73011	Issue Date	: 02-Oct-2024 11:26
Sampler	: [redacted]		
Site	: Offsite 11		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 3		
No. of samples analysed	: 3		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Amendment (02/10/2024): This report has been amended as a result of a request to change sample identification numbers (IDs) received from Nicola Tomlin on 02/10/2024, for sample 002. All analysis results are as per the previous report.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_POT382_240920	0908_MW231S_240920	0908_MW231D_240920	----	----
				Sampling date / time	20-Sep-2024 13:28	20-Sep-2024 13:51	20-Sep-2024 13:59	----	----
Compound	CAS Number	LOR	Unit		ES2430951-001	ES2430951-002	ES2430951-003	--------	--------
					Result	Result	Result	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	**0.02**	<0.01	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	**0.09**	<0.02	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_POT382_240920	0908_MW231S_240920	0908_MW231D_240920	----	----
				Sampling date / time	20-Sep-2024 13:28	20-Sep-2024 13:51	20-Sep-2024 13:59	----	----
Compound	CAS Number	LOR	Unit		ES2430951-001	ES2430951-002	ES2430951-003	--------	--------
					Result	Result	Result	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	**0.88**	<0.05	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**0.99**	<0.01	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**0.02**	<0.01	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**0.99**	<0.01	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**96.1**	**105**	**108**	----	----
13C8-PFOA	----	0.02	%		**102**	**100**	**108**	----	----

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2430951**	Page	: 1 of 7
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 23-Sep-2024
C-O-C number	: 73011	Issue Date	: 02-Oct-2024
Sampler	: [redacted]		
Site	: Offsite 11		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 3		
No. of samples analysed	: 3		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.13	0.12	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.14	0.14	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6073192) - continued									
ES2430937-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2430949-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6073192)									
ES2430937-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2430949-001	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	80.5	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	96.0	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.4	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	123	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	95.9	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	96.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	93.9	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	86.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	90.6	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.5	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.7	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	93.0	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.0	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.1	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	97.8	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	103	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	99.6	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	89.1	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.7	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	96.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	96.3	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	101	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	74.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	95.8	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	112	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	118	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	77.1	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	88.3	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	80.0	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	127	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	105	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.7	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	94.5	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	92.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	86.7	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.4	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	102	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	94.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	94.3	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	105	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	104	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	94.1	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6073192) - continued							
ES2430937-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.0	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	99.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.8	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6073192)							
ES2430937-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.4	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	93.6	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	79.4	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2430951**	Page	: 1 of 4
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 20-Sep-2024
Site	: Offsite 11	Issue Date	: 02-Oct-2024
Sampler	: [redacted], [redacted]	No. of samples received	: 3
Order number	: 60612562_8.1	No. of samples analysed	: 3

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_POT382_240920,	0908_MW231S_240920,	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
0908_MW231D_240920								
EP231B: Perfluoroalkyl Carboxylic Acids								
HDPE (no PTFE) (EP231X)								
0908_POT382_240920,	0908_MW231S_240920,	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
0908_MW231D_240920								
EP231C: Perfluoroalkyl Sulfonamides								
HDPE (no PTFE) (EP231X)								
0908_POT382_240920,	0908_MW231S_240920,	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
0908_MW231D_240920								
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_POT382_240920,	0908_MW231S_240920,	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
0908_MW231D_240920								
EP231P: PFAS Sums								
HDPE (no PTFE) (EP231X)								
0908_POT382_240920,	0908_MW231S_240920,	**20-Sep-2024**	**23-Sep-2024**	19-Mar-2025	✓	**25-Sep-2024**	19-Mar-2025	✓
0908_MW231D_240920								

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	17	**11.76**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	17	**5.88**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2430951**		
Amendment	: **1**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v5 60612562_8.1)
C-O-C number	: 73011	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: Offsite 11		
Sampler	: [redacted]		

Dates

Date Samples Received	: 20-Sep-2024 16:00	Issue Date	: 02-Oct-2024
Client Requested Due Date	: 02-Oct-2024	Scheduled Reporting Date	: **02-Oct-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: 1	Temperature	: 3.6 - Ice present
Receipt Detail	:	No. of samples received / analysed	: 3 / 3

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2430951-001	20-Sep-2024 13:28	0908_POT382_240920	✓
ES2430951-002	20-Sep-2024 13:51	0908_MW231S_240920	✓
ES2430951-003	20-Sep-2024 13:59	0908_MW231D_240920	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

CHAIN OF CUSTODY

COC#: 73011 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE/TIME:	DATE/TIME: 20/9/24 1930	DATE/TIME:	DATE/TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_2/

SITE: Offsite 11

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments: 3.6

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_PDT382_240920		20/09/2024 01:28 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW231S_240920		20/09/2024 01:51 PM	WATER	ALS: 4 Non ALS: 0	No	X		
003	0908_MW231D_240920		20/09/2024 01:59 PM	WATER	ALS: 4 Non ALS: 0	No	X		

Environmental Division
Sydney
Work Order Reference
ES2430951

Telephone : +61-2-8784 8555

CHAIN OF CUSTODY

COC#: 73011 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME: 20/9/24 1930	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: Offsite 11

ORDER NO: 60569462_21.01

PROJECT MANAGER:

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice/ frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: C

Other comments: 3.2

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_POT382_240920	HDPE (no PTFE)	20 mL	00352309038918	Grey	No	
001	0908_POT382_240920	HDPE (no PTFE)	20 mL	00352309038976	Grey	No	
001	0908_POT382_240920	HDPE (no PTFE)	20 mL	00352309039003	Grey	No	
001	0908_POT382_240920	HDPE (no PTFE)	20 mL	00352309038906	Grey	No	
002	0909_MW231S_240920	HDPE (no PTFE)	20 mL	00352309038791	Grey	No	
002	0909_MW231S_240920	HDPE (no PTFE)	20 mL	00352309038957	Grey	No	
002	0909_MW231S_240920	HDPE (no PTFE)	20 mL	00352309038958	Grey	No	
002	0909_MW231S_240920	HDPE (no PTFE)	20 mL	00352309038734	Grey	No	
003	0908_MW231D_240920	HDPE (no PTFE)	20 mL	00352309026318	Grey	No	
003	0908_MW231D_240920	HDPE (no PTFE)	20 mL	00352309038789	Grey	No	
003	0908_MW231D_240920	HDPE (no PTFE)	20 mL	00352309026348	Grey	No	
003	0908_MW231D_240920	HDPE (no PTFE)	20 mL	00352309038891	Grey	No	

Total Bottle Count: ALS: 12, Non ALS: 0

ALSCompass SAMPLING Intelligence

ALS

Environmental Division
Sydney
Work Order Reference
ES2430951

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60569462 Client: AECOM Project Manager: [redacted]
Phone:

ALS Compass COC Reference: 73011 # Samples: 3 Sampler: [redacted]
Phone:

Turnaround Requirements: (Standard) _____ Urgent _____

Special Instructions:	ALS Use Only
	Custody seal intact? YES NO (N/A)
	(Free ice) / frozen ice bricks upon receipt? (YES) NO N/A
	Random sample temperature on receipt? 3.6 °C

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 20/9/24 16:20	Date / Time: 20/09/24 16:20	Date / Time: 20/9/24	Date / Time: 20/9 14:30

LAB OF ORIGIN:
NEWCASTLE

CERTIFICATE OF ANALYSIS

Work Order	: **ES2431761**	Page	: 1 of 33
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	[redacted]	Contact	: Sepan Mahamad
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024 15:00
Order number	: 60569462-21.01	Date Analysis Commenced	: 30-Sep-2024
C-O-C number	: 72989	Issue Date	: 18-Nov-2024 15:32
Sampler	: [redacted]		
Site	: WLM_GW		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 71		
No. of samples analysed	: 71		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Amendment (09/10/2024: This report has been amended following the request to update sampling date for sample #72 & #73 as per [redacted] on 08/10/2024.
- Amendment (18/11/2024): This report has been amended following the request to update sample ID (017) as per [redacted] on 18/11/2024.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW106D_240924	0908_MW106S_240924	0908_MW107D_240923	0908_MW107S_240923	0908_MW108D_240924
				Sampling date / time	24-Sep-2024 16:13	24-Sep-2024 16:05	23-Sep-2024 10:11	23-Sep-2024 10:20	24-Sep-2024 11:30
					ES2431761-001	ES2431761-002	ES2431761-003	ES2431761-004	ES2431761-005
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.06**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.10**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.09**	**0.05**	<0.01	<0.01	**1.40**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.18**	**0.14**	<0.01	<0.01	**0.02**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.02**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.12**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.03**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	**0.02**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW106D_240924	0908_MW106S_240924	0908_MW107D_240923	0908_MW107S_240923	0908_MW108D_240924
				Sampling date / time	24-Sep-2024 16:13	24-Sep-2024 16:05	23-Sep-2024 10:11	23-Sep-2024 10:20	24-Sep-2024 11:30
Compound	CAS Number	LOR	Unit		ES2431761-001	ES2431761-002	ES2431761-003	ES2431761-004	ES2431761-005
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.27**	**0.19**	<0.01	<0.01	**1.77**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.27**	**0.19**	<0.01	<0.01	**1.42**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.27**	**0.19**	<0.01	<0.01	**1.67**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**106**	**108**	**107**	**104**	**103**
13C8-PFOA	----	0.02	%		**101**	**104**	**106**	**102**	**102**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW108S_240924	0908_MW109D_240924	0908_MW125D_240923	0908_MW125S_240923	0908_MW126D_240923
				Sampling date / time	24-Sep-2024 11:23	24-Sep-2024 12:20	23-Sep-2024 13:26	23-Sep-2024 13:34	23-Sep-2024 12:42
					ES2431761-006	ES2431761-007	ES2431761-008	ES2431761-009	ES2431761-010
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	**0.06**	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	**0.08**	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.26**	**1.22**	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.05**	**0.08**	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**2.69**	**7.16**	**0.02**	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.02**	**0.10**	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.03**	**0.25**	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	**0.04**	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.02**	**0.10**	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW108S_240924	0908_MW109D_240924	0908_MW125D_240923	0908_MW125S_240923	0908_MW126D_240923
				Sampling date / time	24-Sep-2024 11:23	24-Sep-2024 12:20	23-Sep-2024 13:26	23-Sep-2024 13:34	23-Sep-2024 12:42
Compound	CAS Number	LOR	Unit		ES2431761-006	ES2431761-007	ES2431761-008	ES2431761-009	ES2431761-010
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		**0.10**	**0.05**	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**3.17**	**9.20**	**0.02**	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.95**	**8.38**	**0.02**	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**3.12**	**8.98**	**0.02**	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**108**	**104**	**109**	**107**	**103**
13C8-PFOA	----	0.02	%		**104**	**106**	**106**	**102**	**105**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW126S_240923	0908_MW128D_240925	0908_MW128S_240925	0908_MW130D_240926	0908_MW130S_240926
				Sampling date / time	23-Sep-2024 12:51	25-Sep-2024 13:00	25-Sep-2024 13:00	26-Sep-2024 09:26	26-Sep-2024 09:32
					ES2431761-011	ES2431761-012	ES2431761-013	ES2431761-014	ES2431761-015
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.45**	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.52**	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**5.56**	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.60**	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**4.74**	<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		**0.1**	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.18**	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**1.03**	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.14**	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.28**	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW126S_240923	0908_MW128D_240925	0908_MW128S_240925	0908_MW130D_240926	0908_MW130S_240926
				Sampling date / time	23-Sep-2024 12:51	25-Sep-2024 13:00	25-Sep-2024 13:00	26-Sep-2024 09:26	26-Sep-2024 09:32
Compound	CAS Number	LOR	Unit		ES2431761-011	ES2431761-012	ES2431761-013	ES2431761-014	ES2431761-015
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**13.9**	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**10.3**	<0.01	<0.01	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**12.5**	<0.01	<0.01	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**110**	**108**	**106**	**108**	**106**
13C8-PFOA	----	0.02	%		**104**	**107**	**104**	**104**	**106**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW132D_240926	0908_MW132I_240926	0908_MW146AD_240923	0908_MW146S_240923	0908_MW160_240926
				Sampling date / time	26-Sep-2024 10:04	26-Sep-2024 10:10	23-Sep-2024 13:12	23-Sep-2024 13:04	26-Sep-2024 10:40
					ES2431761-016	ES2431761-017	ES2431761-018	ES2431761-019	ES2431761-020
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.26**	**0.04**	<0.01	**0.01**	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.05**	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**1.07**	**0.22**	<0.01	**0.02**	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.01**	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW132D_240926	0908_MW132I_240926	0908_MW146AD_240923	0908_MW146S_240923	0908_MW160_240926
				Sampling date / time	26-Sep-2024 10:04	26-Sep-2024 10:10	23-Sep-2024 13:12	23-Sep-2024 13:04	26-Sep-2024 10:40
Compound	CAS Number	LOR	Unit		ES2431761-016	ES2431761-017	ES2431761-018	ES2431761-019	ES2431761-020
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**1.42**	**0.26**	<0.01	**0.03**	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.33**	**0.26**	<0.01	**0.03**	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.37**	**0.26**	<0.01	**0.03**	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**107**	**106**	**108**	**106**	**90.9**
13C8-PFOA	----	0.02	%		**103**	**106**	**103**	**102**	**105**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW166_240924	0908_MW167_240924	0908_MW168_240924	0908_MW169D_240924	0908_MW169S_240924
				Sampling date / time	24-Sep-2024 10:19	24-Sep-2024 10:37	24-Sep-2024 10:45	24-Sep-2024 11:05	24-Sep-2024 11:00
					ES2431761-021	ES2431761-022	ES2431761-023	ES2431761-024	ES2431761-025
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	**0.02**	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	**0.04**	**0.05**	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.21**	**0.91**	**2.88**	**0.10**	**0.09**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.02**	**0.14**	**1.20**	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**12.2**	**24.5**	**1.98**	**0.08**	**0.07**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	**0.19**	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	**0.06**	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.04**	**0.07**	**0.27**	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	**0.08**	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.02**	**0.10**	**1.97**	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	**0.04**	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW166_240924	0908_MW167_240924	0908_MW168_240924	0908_MW169D_240924	0908_MW169S_240924
				Sampling date / time	24-Sep-2024 10:19	24-Sep-2024 10:37	24-Sep-2024 10:45	24-Sep-2024 11:05	24-Sep-2024 11:00
Compound	CAS Number	LOR	Unit		ES2431761-021	ES2431761-022	ES2431761-023	ES2431761-024	ES2431761-025
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**12.5**	**25.8**	**9.00**	**0.18**	**0.16**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**12.4**	**25.4**	**4.86**	**0.18**	**0.16**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**12.5**	**25.6**	**7.26**	**0.18**	**0.16**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**94.9**	**93.9**	**102**	**99.2**	**99.9**
13C8-PFOA	----	0.02	%		**107**	**109**	**104**	**106**	**106**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW172_240924	0908_MW175D_240924	0908_MW178_240923	0908_MW240D_240925	0908_MW241D_240923
				Sampling date / time	24-Sep-2024 13:45	24-Sep-2024 11:55	23-Sep-2024 14:11	25-Sep-2024 09:22	23-Sep-2024 10:55
					ES2431761-026	ES2431761-027	ES2431761-028	ES2431761-031	ES2431761-032
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.25**	**0.07**	**0.05**	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.45**	**0.10**	**0.05**	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**4.28**	**1.12**	**0.22**	**0.15**	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	**0.06**	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.03**	**4.68**	**0.05**	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.02**	**0.11**	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.08**	**0.30**	**0.04**	**0.03**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.03**	**0.06**	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.08**	**0.11**	<0.01	**0.01**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW172_240924	0908_MW175D_240924	0908_MW178_240923	0908_MW240D_240925	0908_MW241D_240923
				Sampling date / time	24-Sep-2024 13:45	24-Sep-2024 11:55	23-Sep-2024 14:11	25-Sep-2024 09:22	23-Sep-2024 10:55
Compound	CAS Number	LOR	Unit		ES2431761-026	ES2431761-027	ES2431761-028	ES2431761-031	ES2431761-032
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	**0.10**	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**5.27**	**6.73**	**0.41**	**0.19**	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**4.31**	**5.80**	**0.27**	**0.15**	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		**4.77**	**6.55**	**0.36**	**0.19**	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**97.3**	**100**	**97.3**	**97.4**	**95.0**
13C8-PFOA	----	0.02	%		**103**	**105**	**105**	**106**	**104**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW241S_240923	0908_MW247D_240923	0908_MW247S_240923	0908_MW264D_240927	0908_MW264S_240927
				Sampling date / time	23-Sep-2024 10:45	23-Sep-2024 16:08	23-Sep-2024 15:55	27-Sep-2024 08:23	27-Sep-2024 08:07
					ES2431761-033	ES2431761-034	ES2431761-035	ES2431761-036	ES2431761-037
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	**0.02**	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	**0.04**	**0.11**	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	**0.06**	**0.06**	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	**0.04**	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW241S_240923	0908_MW247D_240923	0908_MW247S_240923	0908_MW264D_240927	0908_MW264S_240927
				Sampling date / time	23-Sep-2024 10:45	23-Sep-2024 16:08	23-Sep-2024 15:55	27-Sep-2024 08:23	27-Sep-2024 08:07
Compound	CAS Number	LOR	Unit		ES2431761-033	ES2431761-034	ES2431761-035	ES2431761-036	ES2431761-037
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**0.10**	**0.23**	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**0.10**	**0.17**	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**0.10**	**0.23**	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**95.8**	**97.9**	**96.4**	**102**	**97.6**
13C8-PFOA	----	0.02	%		**102**	**106**	**106**	**105**	**105**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW278D_240923	0908_MW278S_240923	0908_MW279S_240925	0908_MW280S_240923	0908_MW281S_240925
				Sampling date / time	23-Sep-2024 14:50	23-Sep-2024 14:40	25-Sep-2024 13:50	23-Sep-2024 09:55	25-Sep-2024 09:55
					ES2431761-038	ES2431761-039	ES2431761-040	ES2431761-041	ES2431761-042
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	**0.07**	<0.02	**0.29**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	**0.09**	<0.02	**0.29**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	**1.11**	<0.01	**4.07**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**2.32**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	**0.30**	<0.01	**109**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	**0.1**
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	**0.03**	<0.02	**0.22**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	**0.24**	<0.02	**0.92**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.14**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	**0.03**	<0.01	**1.43**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.03**
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW278D_240923	0908_MW278S_240923	0908_MW279S_240925	0908_MW280S_240923	0908_MW281S_240925
				Sampling date / time	23-Sep-2024 14:50	23-Sep-2024 14:40	25-Sep-2024 13:50	23-Sep-2024 09:55	25-Sep-2024 09:55
Compound	CAS Number	LOR	Unit		ES2431761-038	ES2431761-039	ES2431761-040	ES2431761-041	ES2431761-042
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	**1.90**	<0.01	**119**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	**1.41**	<0.01	**113**
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	**1.78**	<0.01	**116**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**98.1**	**101**	**97.3**	**101**	**106**
13C8-PFOA	----	0.02	%		**105**	**108**	**108**	**102**	**109**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW282S_240925	0908_MW315D_240923	0908_MW315S_240923	0908_MW329_240925	0908_MW340D_240925
				Sampling date / time	25-Sep-2024 09:36	23-Sep-2024 11:30	23-Sep-2024 11:25	25-Sep-2024 09:45	25-Sep-2024 10:50
Compound	CAS Number	LOR	Unit		ES2431761-043	ES2431761-044	ES2431761-045	ES2431761-046	ES2431761-047
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.11**	**0.04**	<0.02	**0.19**	**0.09**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.13**	**0.04**	<0.02	**0.24**	**0.08**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**2.19**	**0.20**	**0.02**	**3.84**	**0.46**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.10**	<0.02	<0.02	**1.92**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.51**	<0.01	<0.01	**43.5**	**0.10**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.06**	<0.02	<0.02	**0.10**	**0.03**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.37**	**0.06**	<0.02	**0.52**	**0.14**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.07**	<0.02	<0.02	**0.10**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.10**	<0.01	<0.01	**0.67**	**0.04**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW282S_240925	0908_MW315D_240923	0908_MW315S_240923	0908_MW329_240925	0908_MW340D_240925
				Sampling date / time	25-Sep-2024 09:36	23-Sep-2024 11:30	23-Sep-2024 11:25	25-Sep-2024 09:45	25-Sep-2024 10:50
Compound	CAS Number	LOR	Unit		ES2431761-043	ES2431761-044	ES2431761-045	ES2431761-046	ES2431761-047
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**3.67**	**0.34**	**0.02**	**51.1**	**0.97**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.70**	**0.20**	**0.02**	**47.3**	**0.56**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**3.41**	**0.30**	**0.02**	**48.9**	**0.86**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**101**	**104**	**110**	**104**	**104**
13C8-PFOA	----	0.02	%		**106**	**108**	**106**	**107**	**107**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW340S_240925	0908_MW342D_240925	0908_MW344D_240925	0908_MW344S_240925	0908_MW354S_240925
				Sampling date / time	25-Sep-2024 11:00	25-Sep-2024 10:30	25-Sep-2024 10:15	25-Sep-2024 10:10	25-Sep-2024 10:40
Compound	CAS Number	LOR	Unit		ES2431761-048	ES2431761-049	ES2431761-050	ES2431761-051	ES2431761-052
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.05**	**0.04**	**0.05**	**0.05**	**0.44**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.12**	**0.02**	**0.04**	**0.03**	**0.80**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.36**	**0.20**	**0.65**	**0.16**	**14.5**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	**0.02**	<0.02	**3.10**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.02**	**0.17**	**0.08**	**0.62**	**27.6**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	**0.2**
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.03**	<0.02	<0.02	**0.04**	**0.28**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.16**	**0.03**	**0.04**	**0.08**	**1.75**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.42**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	**0.03**	**0.01**	**1.72**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW340S_240925	0908_MW342D_240925	0908_MW344D_240925	0908_MW344S_240925	0908_MW354S_240925
				Sampling date / time	25-Sep-2024 11:00	25-Sep-2024 10:30	25-Sep-2024 10:15	25-Sep-2024 10:10	25-Sep-2024 10:40
Compound	CAS Number	LOR	Unit		ES2431761-048	ES2431761-049	ES2431761-050	ES2431761-051	ES2431761-052
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.74**	**0.46**	**0.91**	**0.99**	**50.9**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.38**	**0.37**	**0.73**	**0.78**	**42.1**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.62**	**0.44**	**0.85**	**0.96**	**46.9**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**97.9**	**104**	**104**	**107**	**107**
13C8-PFOA	----	0.02	%		**106**	**105**	**106**	**103**	**104**

Analytical Results

Sub-Matrix: **GROUNDWATER** (Matrix: **WATER**)

Compound	CAS Number	LOR	Unit	Sample ID	0908_MW466_240924	0908_MW468_240924	0908_MW731D_240923	0908_MW731S_240923	0908_MW829_240926
				Sampling date / time	24-Sep-2024 12:02	24-Sep-2024 12:11	23-Sep-2024 15:15	23-Sep-2024 15:05	26-Sep-2024 09:50
					ES2431761-053	ES2431761-054	ES2431761-055	ES2431761-056	ES2431761-057
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.07**	**0.14**	**0.79**	**0.62**	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.07**	**0.17**	**0.76**	**0.63**	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**1.29**	**3.34**	**7.28**	**6.34**	**0.02**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.15**	**0.28**	**0.98**	**0.71**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**5.51**	**12.4**	**16.2**	**20.5**	**0.02**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	**0.05**	<0.02	**0.04**	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	**0.2**	**0.3**	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.08**	**0.17**	**0.25**	**0.41**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.25**	**0.54**	**1.40**	**1.82**	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.04**	**0.09**	**0.23**	**0.36**	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.18**	**0.27**	**0.61**	**0.90**	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	**0.03**	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW466_240924	0908_MW468_240924	0908_MW731D_240923	0908_MW731S_240923	0908_MW829_240926
				Sampling date / time	24-Sep-2024 12:02	24-Sep-2024 12:11	23-Sep-2024 15:15	23-Sep-2024 15:05	26-Sep-2024 09:50
Compound	CAS Number	LOR	Unit		ES2431761-053	ES2431761-054	ES2431761-055	ES2431761-056	ES2431761-057
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	**0.07**	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**7.70**	**17.6**	**29.2**	**33.1**	**0.04**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**6.80**	**15.7**	**23.5**	**26.8**	**0.04**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**7.42**	**17.0**	**27.0**	**31.3**	**0.04**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**101**	**105**	**106**	**109**	**104**
13C8-PFOA	----	0.02	%		**102**	**102**	**103**	**107**	**105**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)

Compound	CAS Number	LOR	Unit	Sample ID	0908_QC106_240923	0908_QC107_240923	0908_QC108_240924	0908_QC109_240925	0908_QC110_240925
				Sampling date / time	23-Sep-2024 10:55	23-Sep-2024 16:08	24-Sep-2024 11:05	25-Sep-2024 10:10	25-Sep-2024 10:50
					ES2431761-058	ES2431761-059	ES2431761-060	ES2431761-061	ES2431761-062
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	**0.04**	**0.09**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	**0.04**	**0.09**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	**0.04**	**0.09**	**0.13**	**0.43**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	**0.06**	**0.07**	**0.54**	**0.11**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	**0.04**	**0.03**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	**0.07**	**0.14**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	**0.01**	**0.04**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_QC106_240923	0908_QC107_240923	0908_QC108_240924	0908_QC109_240925	0908_QC110_240925
				Sampling date / time	23-Sep-2024 10:55	23-Sep-2024 16:08	24-Sep-2024 11:05	25-Sep-2024 10:10	25-Sep-2024 10:50
Compound	CAS Number	LOR	Unit		ES2431761-058	ES2431761-059	ES2431761-060	ES2431761-061	ES2431761-062
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	**0.10**	**0.16**	**0.87**	**0.96**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	**0.10**	**0.16**	**0.67**	**0.54**
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	**0.10**	**0.16**	**0.83**	**0.84**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**104**	**95.9**	**101**	**100**	**106**
13C8-PFOA	----	0.02	%		**105**	**104**	**102**	**102**	**103**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_QC111_240927	0908_QC112_240927	0908_QC302_240923	0908_QC303_240924	0908_MW232D_240920
				Sampling date / time	27-Sep-2024 08:07	27-Sep-2024 08:23	23-Sep-2024 17:30	24-Sep-2024 17:30	20-Sep-2024 14:50
Compound	CAS Number	LOR	Unit		ES2431761-063	ES2431761-064	ES2431761-067	ES2431761-068	ES2431761-072
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_QC111_240927	0908_QC112_240927	0908_QC302_240923	0908_QC303_240924	0908_MW232D_240920
				Sampling date / time	27-Sep-2024 08:07	27-Sep-2024 08:23	23-Sep-2024 17:30	24-Sep-2024 17:30	20-Sep-2024 14:50
Compound	CAS Number	LOR	Unit		ES2431761-063	ES2431761-064	ES2431761-067	ES2431761-068	ES2431761-072
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**99.5**	**104**	**99.5**	**104**	**92.8**
13C8-PFOA	----	0.02	%		**103**	**105**	**102**	**101**	**98.7**

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW232S_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 14:43	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2431761-073	--------	--------	--------	--------
					Result	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	----	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	----	----	----	----

Analytical Results

Sub-Matrix: GROUNDWATER (Matrix: WATER)				Sample ID	0908_MW232S_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 14:43	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2431761-073	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**99.6**	----	----	----	----
13C8-PFOA	----	0.02	%		**99.1**	----	----	----	----

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC300_240919	0908_QC301_240920	0908_QC304_240925	0908_QC305_240926	0908_QC306_240927
				Sampling date / time	19-Sep-2024 17:00	20-Sep-2024 16:00	25-Sep-2024 17:00	26-Sep-2024 17:00	27-Sep-2024 13:55
Compound	CAS Number	LOR	Unit		ES2431761-065	ES2431761-066	ES2431761-069	ES2431761-070	ES2431761-071
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: RINSATE (Matrix: WATER)				Sample ID	0908_QC300_240919	0908_QC301_240920	0908_QC304_240925	0908_QC305_240926	0908_QC306_240927
				Sampling date / time	19-Sep-2024 17:00	20-Sep-2024 16:00	25-Sep-2024 17:00	26-Sep-2024 17:00	27-Sep-2024 13:55
Compound	CAS Number	LOR	Unit		ES2431761-065	ES2431761-066	ES2431761-069	ES2431761-070	ES2431761-071
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
Sum of PFAS (WA DER List)	----	0.01	µg/L		<0.01	<0.01	<0.01	<0.01	<0.01
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**105**	**99.0**	**98.3**	**96.8**	**100**
13C8-PFOA	----	0.02	%		**100**	**101**	**102**	**104**	**100**

Surrogate Control Limits

Sub-Matrix: **GROUNDWATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **RINSATE**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2431761**	Page	: 1 of 24
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	[redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024
Order number	: 60569462-21.01	Date Analysis Commenced	: 30-Sep-2024
C-O-C number	: 72989	Issue Date	: 18-Nov-2024
Sampler	: [redacted]		
Site	: WLM_GW		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 71		
No. of samples analysed	: 71		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6088534)									
ES2431761-001	0908_MW106D_240924	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.09	0.08	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.18	0.18	0.0	0% - 50%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2431761-011	0908_MW126S_240923	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	5.56	5.34	4.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	4.74	5.55	15.7	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.45	0.45	0.0	0% - 20%
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.52	0.50	2.2	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.60	0.61	0.0	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6088537)									
ES2431761-020	0908_MW160_240926	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2431761-032	0908_MW241D_240923	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6088537) - continued									
ES2431761-032	0908_MW241D_240923	EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6088545)									
ES2431761-041	0908_MW280S_240923	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2431761-051	0908_MW344S_240925	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.16	0.16	0.0	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.62	0.63	0.0	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.05	0.04	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.03	0.03	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6088549)									
ES2431761-060	0908_QC108_240924	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.09	0.08	14.9	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.07	0.08	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2431761-070	0908_QC305_240926	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6095092)									
ES2431761-073	0908_MW232S_240920	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
ES2432053-025	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.03	0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6095092) - continued									
ES2432053-025	Anonymous	EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.01	<0.01	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6088534)									
ES2431761-001	0908_MW106D_240924	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2431761-011	0908_MW126S_240923	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.28	0.29	0.0	0% - 20%
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.18	0.17	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	1.03	1.08	4.1	0% - 20%
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.14	0.13	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	0.1	0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6088537)									
ES2431761-020	0908_MW160_240926	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6088537) - continued									
ES2431761-020	0908_MW160_240926	EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2431761-032	0908_MW241D_240923	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6088545)									
ES2431761-041	0908_MW280S_240923	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2431761-051	0908_MW344S_240925	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.01	0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.08	0.06	14.8	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6088549)									
ES2431761-060	0908_QC108_240924	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2431761-070	0908_QC305_240926	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6095092)									
ES2431761-073	0908_MW232S_240920	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2432053-025	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	<0.01	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6095092) - continued									
ES2432053-025	Anonymous	EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088534)									
ES2431761-001	0908_MW106D_240924	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431761-011	0908_MW126S_240923	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088537)									
ES2431761-020	0908_MW160_240926	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088537) - continued									
ES2431761-020	0908_MW160_240926	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431761-032	0908_MW241D_240923	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088545)									
ES2431761-041	0908_MW280S_240923	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431761-051	0908_MW344S_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088545) - continued									
ES2431761-051	0908_MW344S_240925	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088549)									
ES2431761-060	0908_QC108_240924	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431761-070	0908_QC305_240926	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6095092)									
ES2431761-073	0908_MW232S_240920	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6095092) - continued									
ES2431761-073	0908_MW232S_240920	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2432053-025	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088534)									
ES2431761-001	0908_MW106D_240924	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431761-011	0908_MW126S_240923	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088537)									
ES2431761-020	0908_MW160_240926	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088537) - continued									
ES2431761-020	0908_MW160_240926	EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431761-032	0908_MW241D_240923	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088545)									
ES2431761-041	0908_MW280S_240923	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431761-051	0908_MW344S_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088549)									
ES2431761-060	0908_QC108_240924	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088549) - continued									
ES2431761-070	0908_QC305_240926	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6095092)									
ES2431761-073	0908_MW232S_240920	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2432053-025	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6088534)									
ES2431761-001	0908_MW106D_240924	EP231X: Sum of PFAS	----	0.01	µg/L	0.27	0.26	3.8	0% - 20%
ES2431761-011	0908_MW126S_240923	EP231X: Sum of PFAS	----	0.01	µg/L	13.9	14.5	4.4	0% - 20%
EP231P: PFAS Sums (QC Lot: 6088537)									
ES2431761-020	0908_MW160_240926	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	0.01	0.0	No Limit
ES2431761-032	0908_MW241D_240923	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6088545)									
ES2431761-041	0908_MW280S_240923	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
ES2431761-051	0908_MW344S_240925	EP231X: Sum of PFAS	----	0.01	µg/L	0.99	0.97	2.0	0% - 20%
EP231P: PFAS Sums (QC Lot: 6088549)									
ES2431761-060	0908_QC108_240924	EP231X: Sum of PFAS	----	0.01	µg/L	0.16	0.16	0.0	0% - 50%
ES2431761-070	0908_QC305_240926	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6095092)									
ES2431761-073	0908_MW232S_240920	EP231X: Sum of PFAS	----	0.01	µg/L	<0.01	<0.01	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231P: PFAS Sums (QC Lot: 6095092) - continued									
ES2432053-025	Anonymous	EP231X: Sum of PFAS	----	0.01	µg/L	0.08	0.06	28.6	No Limit

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088534)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	82.0	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	93.5	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	87.9	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	101	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	97.1	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	84.8	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088537)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	86.3	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	102	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	90.0	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	98.9	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	87.4	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	83.6	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088545)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	88.9	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	98.1	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	96.5	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	114	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	103	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	85.2	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088549)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	83.3	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	94.5	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	79.6	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	99.6	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	92.5	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	100	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6095092)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	97.6	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	105	71.0	127

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6095092) - continued								
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	93.0	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	103	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	86.6	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	81.2	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088534)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	99.5	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	98.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	96.3	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.4	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	93.4	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	102	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	103	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	100	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	103	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	100	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	105	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088537)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	102	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	98.9	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	90.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	104	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.0	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	96.3	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	96.2	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	104	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	105	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	108	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	117	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088545)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	103	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	105	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	99.6	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	97.7	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	93.6	71.0	133

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088545) - continued								
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	105	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	96.8	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	101	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	96.7	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	93.1	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	95.4	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088549)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	98.7	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	99.5	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	97.5	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	99.4	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	94.7	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	98.8	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	98.9	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	109	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	104	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	98.1	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	112	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6095092)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	109	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	81.3	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	95.8	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	88.0	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	99.0	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	122	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	97.8	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	99.1	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	103	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	103	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	123	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088534)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	96.5	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	100	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	95.4	62.6	147

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088534) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	92.5	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	101	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	94.4	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	89.1	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088537)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	103	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	95.4	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	99.9	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	98.6	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	105	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	106	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	92.4	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088545)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	98.0	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	82.5	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	85.6	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	87.9	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	95.8	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	93.5	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	95.8	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088549)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	96.5	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	101	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	91.5	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	94.0	66.0	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088549) - continued								
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	95.4	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	114	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	94.4	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6095092)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	96.7	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	91.8	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	76.2	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	89.2	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	106	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	121	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	90.7	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088534)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	101	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	84.6	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	112	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	111	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088537)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	97.7	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	93.3	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	100	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	91.0	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088545)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	96.0	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	111	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	112	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	97.7	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088549)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	101	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	88.0	64.0	140

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088549) - continued								
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	117	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6095092)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	90.9	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	84.6	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	102	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	92.6	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088534)							
ES2431761-002	0908_MW106S_240924	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	86.1	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	96.6	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	90.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	112	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	107	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	85.0	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088537)							
ES2431761-021	0908_MW166_240924	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	92.8	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	95.6	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	83.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	106	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	103	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088545)							
ES2431761-042	0908_MW281S_240925	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	88.2	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	109	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	# Not Determined	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	# Not Determined	69.0	134

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088545) - continued							
ES2431761-042	0908_MW281S_240925	EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	88.6	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088549)							
ES2431761-061	0908_QC109_240925	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	85.7	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	102	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	93.8	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	103	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	114	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	95.9	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6095092)							
ES2431761-072	0908_MW232D_240920	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	102	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	110	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	97.4	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	111	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	91.0	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	88.6	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088534)							
ES2431761-002	0908_MW106S_240924	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	99.7	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	102	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	100	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	99.3	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.1	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	100	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	92.7	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	93.8	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	92.0	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	85.3	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	93.4	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088537)							
ES2431761-021	0908_MW166_240924	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	99.6	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	101	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	96.3	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	97.5	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	89.3	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	96.3	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	92.9	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	97.9	69.0	133

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088537) - continued							
ES2431761-021	0908_MW166_240924	EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	101	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	90.9	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	104	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088545)							
ES2431761-042	0908_MW281S_240925	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	102	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	100	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	95.6	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	88.8	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	# Not Determined	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	95.4	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	98.7	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	89.9	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	99.8	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	99.7	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	97.2	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088549)							
ES2431761-061	0908_QC109_240925	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	104	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	99.5	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	102	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	101	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	95.2	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	98.5	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	93.2	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	102	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	99.3	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	102	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	104	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6095092)							
ES2431761-072	0908_MW232D_240920	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	112	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	110	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	108	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	100	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	97.8	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	120	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	97.2	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	98.2	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	108	72.0	134

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6095092) - continued							
ES2431761-072	0908_MW232D_240920	EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	108	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	125	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088534)							
ES2431761-002	0908_MW106S_240924	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	91.2	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	97.0	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	107	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	86.0	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	93.7	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	87.1	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	83.9	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088537)							
ES2431761-021	0908_MW166_240924	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	97.5	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	103	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	97.0	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	101	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	96.3	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	94.8	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088545)							
ES2431761-042	0908_MW281S_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	95.4	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	100	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	96.9	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	89.7	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	99.5	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	94.6	65.0	136

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088545) - continued							
ES2431761-042	0908_MW281S_240925	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	89.0	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088549)							
ES2431761-061	0908_QC109_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	90.9	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	114	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	95.6	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	104	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	94.2	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	102	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	92.2	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6095092)							
ES2431761-072	0908_MW232D_240920	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	104	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	88.0	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	76.0	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	95.4	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	106	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	116	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	99.1	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088534)							
ES2431761-002	0908_MW106S_240924	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	104	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	95.8	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	103	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	82.2	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088537)							
ES2431761-021	0908_MW166_240924	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	109	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	110	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	106	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	109	71.4	144

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088545)							
ES2431761-042	0908_MW281S_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	96.0	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	106	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	111	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	102	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088549)							
ES2431761-061	0908_QC109_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	105	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	87.3	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	89.1	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	98.5	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6095092)							
ES2431761-072	0908_MW232D_240920	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	81.5	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	96.5	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	106	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	87.8	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2431761**	Page	: 1 of 14
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024
Site	: WLM_GW	Issue Date	: 18-Nov-2024
Sampler	: [redacted]	No. of samples received	: 71
Order number	: 60569462-21.01	No. of samples analysed	: 71

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2431761--042	0908_MW281S_240925	**Perfluorohexane sulfonic acid (PFHxS)**	355-46-4	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2431761--042	0908_MW281S_240925	**Perfluoroheptane sulfonic acid (PFHpS)**	375-92-8	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2431761--021	0908_MW166_240924	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231A: Perfluoroalkyl Sulfonic Acids	ES2431761--042	0908_MW281S_240925	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**
EP231B: Perfluoroalkyl Carboxylic Acids	ES2431761--042	0908_MW281S_240925	**Perfluorooctanoic acid (PFOA)**	335-67-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / ***Container*** / Client Sample ID(s)	***Sample Date***	*Extraction / Preparation*			*Analysis*		
		Date extracted	*Due for extraction*	*Evaluation*	***Date analysed***	*Due for analysis*	*Evaluation*
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_QC300_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**03-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC301_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**03-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW232D_240920, 0908_MW232S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC302_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**03-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X)							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids - Continued								
0908_MW107D_240923, 0908_MW125D_240923, 0908_MW126D_240923, 0908_MW146AD_240923, 0908_MW178_240923, 0908_MW241S_240923, 0908_MW247S_240923, 0908_MW278S_240923, 0908_MW315D_240923, 0908_MW731D_240923, 0908_QC106_240923,	0908_MW107S_240923, 0908_MW125S_240923, 0908_MW126S_240923, 0908_MW146S_240923, 0908_MW241D_240923, 0908_MW247D_240923, 0908_MW278D_240923, 0908_MW280S_240923, 0908_MW315S_240923, 0908_MW731S_240923, 0908_QC107_240923	**23-Sep-2024**	**30-Sep-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC108_240924,	0908_QC303_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**03-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240924, 0908_MW108D_240924, 0908_MW109D_240924, 0908_MW167_240924, 0908_MW169D_240924, 0908_MW172_240924, 0908_MW466_240924,	0908_MW106S_240924, 0908_MW108S_240924, 0908_MW166_240924, 0908_MW168_240924, 0908_MW169S_240924, 0908_MW175D_240924, 0908_MW468_240924	**24-Sep-2024**	**30-Sep-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC109_240925, 0908_QC304_240925	0908_QC110_240925,	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**03-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW128D_240925, 0908_MW240D_240925, 0908_MW281S_240925, 0908_MW329_240925, 0908_MW340S_240925, 0908_MW344D_240925, 0908_MW354S_240925	0908_MW128S_240925, 0908_MW279S_240925, 0908_MW282S_240925, 0908_MW340D_240925, 0908_MW342D_240925, 0908_MW344S_240925,	**25-Sep-2024**	**30-Sep-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC305_240926		**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**03-Oct-2024**	25-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW130D_240926, 0908_MW132D_240926, 0908_MW160_240926,	0908_MW130S_240926, 0908_MW132I_240926, 0908_MW829_240926	**26-Sep-2024**	**30-Sep-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC111_240927, 0908_QC306_240927	0908_QC112_240927,	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**03-Oct-2024**	26-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW264D_240927,	0908_MW264S_240927	**27-Sep-2024**	**30-Sep-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids - Continued							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_QC300_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**03-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC301_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**03-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW232D_240920, 0908_MW232S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC302_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**03-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240923, 0908_MW107S_240923, 0908_MW125D_240923, 0908_MW125S_240923, 0908_MW126D_240923, 0908_MW126S_240923, 0908_MW146AD_240923, 0908_MW146S_240923, 0908_MW178_240923, 0908_MW241D_240923, 0908_MW241S_240923, 0908_MW247D_240923, 0908_MW247S_240923, 0908_MW278D_240923, 0908_MW278S_240923, 0908_MW280S_240923, 0908_MW315D_240923, 0908_MW315S_240923, 0908_MW731D_240923, 0908_MW731S_240923, 0908_QC106_240923, 0908_QC107_240923	**23-Sep-2024**	**30-Sep-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC108_240924, 0908_QC303_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**03-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240924, 0908_MW106S_240924, 0908_MW108D_240924, 0908_MW108S_240924, 0908_MW109D_240924, 0908_MW166_240924, 0908_MW167_240924, 0908_MW168_240924, 0908_MW169D_240924, 0908_MW169S_240924, 0908_MW172_240924, 0908_MW175D_240924, 0908_MW466_240924, 0908_MW468_240924	**24-Sep-2024**	**30-Sep-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC109_240925, 0908_QC110_240925, 0908_QC304_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**03-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW128D_240925, 0908_MW128S_240925, 0908_MW240D_240925, 0908_MW279S_240925, 0908_MW281S_240925, 0908_MW282S_240925, 0908_MW329_240925, 0908_MW340D_240925, 0908_MW340S_240925, 0908_MW342D_240925, 0908_MW344D_240925, 0908_MW344S_240925, 0908_MW354S_240925	**25-Sep-2024**	**30-Sep-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC305_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**03-Oct-2024**	25-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids - Continued								
HDPE (no PTFE) (EP231X)								
0908_MW130D_240926,	0908_MW130S_240926,	**26-Sep-2024**	**30-Sep-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
0908_MW132D_240926,	0908_MW132I_240926,							
0908_MW160_240926,	0908_MW829_240926							
HDPE (no PTFE) (EP231X)								
0908_QC111_240927,	0908_QC112_240927,	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**03-Oct-2024**	26-Mar-2025	✓
0908_QC306_240927								
HDPE (no PTFE) (EP231X)								
0908_MW264D_240927,	0908_MW264S_240927	**27-Sep-2024**	**30-Sep-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_QC300_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**03-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC301_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**03-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW232D_240920, 0908_MW232S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC302_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**03-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240923, 0908_MW107S_240923, 0908_MW125D_240923, 0908_MW125S_240923, 0908_MW126D_240923, 0908_MW126S_240923, 0908_MW146AD_240923, 0908_MW146S_240923, 0908_MW178_240923, 0908_MW241D_240923, 0908_MW241S_240923, 0908_MW247D_240923, 0908_MW247S_240923, 0908_MW278D_240923, 0908_MW278S_240923, 0908_MW280S_240923, 0908_MW315D_240923, 0908_MW315S_240923, 0908_MW731D_240923, 0908_MW731S_240923, 0908_QC106_240923, 0908_QC107_240923	**23-Sep-2024**	**30-Sep-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC108_240924, 0908_QC303_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**03-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240924, 0908_MW106S_240924, 0908_MW108D_240924, 0908_MW108S_240924, 0908_MW109D_240924, 0908_MW166_240924, 0908_MW167_240924, 0908_MW168_240924, 0908_MW169D_240924, 0908_MW169S_240924, 0908_MW172_240924, 0908_MW175D_240924, 0908_MW466_240924, 0908_MW468_240924	**24-Sep-2024**	**30-Sep-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC109_240925, 0908_QC110_240925, 0908_QC304_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**03-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW128D_240925, 0908_MW128S_240925, 0908_MW240D_240925, 0908_MW279S_240925, 0908_MW281S_240925, 0908_MW282S_240925, 0908_MW329_240925, 0908_MW340D_240925, 0908_MW340S_240925, 0908_MW342D_240925, 0908_MW344D_240925, 0908_MW344S_240925, 0908_MW354S_240925	**25-Sep-2024**	**30-Sep-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC305_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**03-Oct-2024**	25-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides - Continued								
HDPE (no PTFE) (EP231X)								
0908_MW130D_240926,	0908_MW130S_240926,	**26-Sep-2024**	**30-Sep-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
0908_MW132D_240926,	0908_MW132I_240926,							
0908_MW160_240926,	0908_MW829_240926							
HDPE (no PTFE) (EP231X)								
0908_QC111_240927,	0908_QC112_240927,	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**03-Oct-2024**	26-Mar-2025	✓
0908_QC306_240927								
HDPE (no PTFE) (EP231X)								
0908_MW264D_240927,	0908_MW264S_240927	**27-Sep-2024**	**30-Sep-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_QC300_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**03-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC301_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**03-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW232D_240920, 0908_MW232S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC302_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**03-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240923, 0908_MW107S_240923, 0908_MW125D_240923, 0908_MW125S_240923, 0908_MW126D_240923, 0908_MW126S_240923, 0908_MW146AD_240923, 0908_MW146S_240923, 0908_MW178_240923, 0908_MW241D_240923, 0908_MW241S_240923, 0908_MW247D_240923, 0908_MW247S_240923, 0908_MW278D_240923, 0908_MW278S_240923, 0908_MW280S_240923, 0908_MW315D_240923, 0908_MW315S_240923, 0908_MW731D_240923, 0908_MW731S_240923, 0908_QC106_240923, 0908_QC107_240923	**23-Sep-2024**	**30-Sep-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC108_240924, 0908_QC303_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**03-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240924, 0908_MW106S_240924, 0908_MW108D_240924, 0908_MW108S_240924, 0908_MW109D_240924, 0908_MW166_240924, 0908_MW167_240924, 0908_MW168_240924, 0908_MW169D_240924, 0908_MW169S_240924, 0908_MW172_240924, 0908_MW175D_240924, 0908_MW466_240924, 0908_MW468_240924	**24-Sep-2024**	**30-Sep-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC109_240925, 0908_QC110_240925, 0908_QC304_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**03-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW128D_240925, 0908_MW128S_240925, 0908_MW240D_240925, 0908_MW279S_240925, 0908_MW281S_240925, 0908_MW282S_240925, 0908_MW329_240925, 0908_MW340D_240925, 0908_MW340S_240925, 0908_MW342D_240925, 0908_MW344D_240925, 0908_MW344S_240925, 0908_MW354S_240925	**25-Sep-2024**	**30-Sep-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC305_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**03-Oct-2024**	25-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids - Continued								
HDPE (no PTFE) (EP231X)								
0908_MW130D_240926,	0908_MW130S_240926,	**26-Sep-2024**	**30-Sep-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
0908_MW132D_240926,	0908_MW132I_240926,							
0908_MW160_240926,	0908_MW829_240926							
HDPE (no PTFE) (EP231X)								
0908_QC111_240927,	0908_QC112_240927,	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**03-Oct-2024**	26-Mar-2025	✓
0908_QC306_240927								
HDPE (no PTFE) (EP231X)								
0908_MW264D_240927,	0908_MW264S_240927	**27-Sep-2024**	**30-Sep-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_QC300_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**03-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC301_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**03-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW232D_240920, 0908_MW232S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC302_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**03-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW107D_240923, 0908_MW107S_240923, 0908_MW125D_240923, 0908_MW125S_240923, 0908_MW126D_240923, 0908_MW126S_240923, 0908_MW146AD_240923, 0908_MW146S_240923, 0908_MW178_240923, 0908_MW241D_240923, 0908_MW241S_240923, 0908_MW247D_240923, 0908_MW247S_240923, 0908_MW278D_240923, 0908_MW278S_240923, 0908_MW280S_240923, 0908_MW315D_240923, 0908_MW315S_240923, 0908_MW731D_240923, 0908_MW731S_240923, 0908_QC106_240923, 0908_QC107_240923	**23-Sep-2024**	**30-Sep-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC108_240924, 0908_QC303_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**03-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW106D_240924, 0908_MW106S_240924, 0908_MW108D_240924, 0908_MW108S_240924, 0908_MW109D_240924, 0908_MW166_240924, 0908_MW167_240924, 0908_MW168_240924, 0908_MW169D_240924, 0908_MW169S_240924, 0908_MW172_240924, 0908_MW175D_240924, 0908_MW466_240924, 0908_MW468_240924	**24-Sep-2024**	**30-Sep-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC109_240925, 0908_QC110_240925, 0908_QC304_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**03-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_MW128D_240925, 0908_MW128S_240925, 0908_MW240D_240925, 0908_MW279S_240925, 0908_MW281S_240925, 0908_MW282S_240925, 0908_MW329_240925, 0908_MW340D_240925, 0908_MW340S_240925, 0908_MW342D_240925, 0908_MW344D_240925, 0908_MW344S_240925, 0908_MW354S_240925	**25-Sep-2024**	**30-Sep-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_QC305_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**03-Oct-2024**	25-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums - Continued								
HDPE (no PTFE) (EP231X)								
0908_MW130D_240926,	0908_MW130S_240926,	**26-Sep-2024**	**30-Sep-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
0908_MW132D_240926,	0908_MW132I_240926,							
0908_MW160_240926,	0908_MW829_240926							
HDPE (no PTFE) (EP231X)								
0908_QC111_240927,	0908_QC112_240927,	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**03-Oct-2024**	26-Mar-2025	✓
0908_QC306_240927								
HDPE (no PTFE) (EP231X)								
0908_MW264D_240927,	0908_MW264S_240927	**27-Sep-2024**	**30-Sep-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	10	80	**12.50**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	5	80	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	5	80	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	5	80	**6.25**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: **ES2431761**		
Amendment	: **2**		
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	[redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	[redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 4
Order number	: 60569462-21.01	Quote number	: ES2021AECOMAU0030 (SY/139/19 v5 60612562_8.1)
C-O-C number	: 72989	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: WLM_GW		
Sampler	: [redacted]		

Dates

Date Samples Received	: 27-Sep-2024 15:00	Issue Date	: 18-Nov-2024
Client Requested Due Date	: 04-Oct-2024	Scheduled Reporting Date	: **04-Oct-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: ----	Temperature	: 0.1'C - Ice present
Receipt Detail	:	No. of samples received / analysed	: 71 / 71

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- This is an updated SRN which indicates the updated collection time for sample 070 in this work order.
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **04/10/2024: This is an updated SRN reflecting a change to the sample ID for samples ES2431761-015 and 016.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	*Sampling date / time*	*Sample ID*	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2431761-001	24-Sep-2024 16:13	0908_MW106D_240924	✓
ES2431761-002	24-Sep-2024 16:05	0908_MW106S_240924	✓
ES2431761-003	23-Sep-2024 10:11	0908_MW107D_240923	✓
ES2431761-004	23-Sep-2024 10:20	0908_MW107S_240923	✓
ES2431761-005	24-Sep-2024 11:30	0908_MW108D_240924	✓
ES2431761-006	24-Sep-2024 11:23	0908_MW108S_240924	✓
ES2431761-007	24-Sep-2024 12:20	0908_MW109D_240924	✓
ES2431761-008	23-Sep-2024 13:26	0908_MW125D_240923	✓
ES2431761-009	23-Sep-2024 13:34	0908_MW125S_240923	✓
ES2431761-010	23-Sep-2024 12:42	0908_MW126D_240923	✓
ES2431761-011	23-Sep-2024 12:51	0908_MW126S_240923	✓
ES2431761-012	25-Sep-2024 13:00	0908_MW128D_240925	✓
ES2431761-013	25-Sep-2024 13:00	0908_MW128S_240925	✓
ES2431761-014	26-Sep-2024 09:26	0908_MW130D_240926	✓
ES2431761-015	26-Sep-2024 09:32	0908_MW130S_240926	✓
ES2431761-016	26-Sep-2024 10:04	0908_MW132D_240926	✓
ES2431761-017	26-Sep-2024 10:10	0908_MW132I_240926	✓
ES2431761-018	23-Sep-2024 13:12	0908_MW146AD_240923	✓
ES2431761-019	23-Sep-2024 13:04	0908_MW146S_240923	✓
ES2431761-020	26-Sep-2024 10:40	0908_MW160_240926	✓
ES2431761-021	24-Sep-2024 10:19	0908_MW166_240924	✓
ES2431761-022	24-Sep-2024 10:37	0908_MW167_240924	✓
ES2431761-023	24-Sep-2024 10:45	0908_MW168_240924	✓
ES2431761-024	24-Sep-2024 11:05	0908_MW169D_240924	✓
ES2431761-025	24-Sep-2024 11:00	0908_MW169S_240924	✓
ES2431761-026	24-Sep-2024 13:45	0908_MW172_240924	✓
ES2431761-027	24-Sep-2024 11:55	0908_MW175D_240924	✓
ES2431761-028	23-Sep-2024 14:11	0908_MW178_240923	✓
ES2431761-031	25-Sep-2024 09:22	0908_MW240D_240925	✓
ES2431761-032	23-Sep-2024 10:55	0908_MW241D_240923	✓
ES2431761-033	23-Sep-2024 10:45	0908_MW241S_240923	✓
ES2431761-034	23-Sep-2024 16:08	0908_MW247D_240923	✓
ES2431761-035	23-Sep-2024 15:55	0908_MW247S_240923	✓
ES2431761-036	27-Sep-2024 08:23	0908_MW264D_240927	✓
ES2431761-037	27-Sep-2024 08:07	0908_MW264S_240927	✓

			WATER - EP231X PFAS - Full Suite (31 analytes)
ES2431761-038	23-Sep-2024 14:50	0908_MW278D_240923	✓
ES2431761-039	23-Sep-2024 14:40	0908_MW278S_240923	✓
ES2431761-040	25-Sep-2024 13:50	0908_MW279S_240925	✓
ES2431761-041	23-Sep-2024 09:55	0908_MW280S_240923	✓
ES2431761-042	25-Sep-2024 09:55	0908_MW281S_240925	✓
ES2431761-043	25-Sep-2024 09:36	0908_MW282S_240925	✓
ES2431761-044	23-Sep-2024 11:30	0908_MW315D_240923	✓
ES2431761-045	23-Sep-2024 11:25	0908_MW315S_240923	✓
ES2431761-046	25-Sep-2024 09:45	0908_MW329_240925	✓
ES2431761-047	25-Sep-2024 10:50	0908_MW340D_240925	✓
ES2431761-048	25-Sep-2024 11:00	0908_MW340S_240925	✓
ES2431761-049	25-Sep-2024 10:30	0908_MW342D_240925	✓
ES2431761-050	25-Sep-2024 10:15	0908_MW344D_240925	✓
ES2431761-051	25-Sep-2024 10:10	0908_MW344S_240925	✓
ES2431761-052	25-Sep-2024 10:40	0908_MW354S_240925	✓
ES2431761-053	24-Sep-2024 12:02	0908_MW466_240924	✓
ES2431761-054	24-Sep-2024 12:11	0908_MW468_240924	✓
ES2431761-055	23-Sep-2024 15:15	0908_MW731D_240923	✓
ES2431761-056	23-Sep-2024 15:05	0908_MW731S_240923	✓
ES2431761-057	26-Sep-2024 09:50	0908_MW829_240926	✓
ES2431761-058	23-Sep-2024 10:55	0908_QC106_240923	✓
ES2431761-059	23-Sep-2024 16:08	0908_QC107_240923	✓
ES2431761-060	24-Sep-2024 11:05	0908_QC108_240924	✓
ES2431761-061	25-Sep-2024 10:10	0908_QC109_240925	✓
ES2431761-062	25-Sep-2024 10:50	0908_QC110_240925	✓
ES2431761-063	27-Sep-2024 08:07	0908_QC111_240927	✓
ES2431761-064	27-Sep-2024 08:23	0908_QC112_240927	✓
ES2431761-065	19-Sep-2024 17:00	0908_QC300_240919	✓
ES2431761-066	20-Sep-2024 16:00	0908_QC301_240920	✓
ES2431761-067	23-Sep-2024 17:30	0908_QC302_240923	✓
ES2431761-068	24-Sep-2024 17:30	0908_QC303_240924	✓
ES2431761-069	25-Sep-2024 17:00	0908_QC304_240925	✓
ES2431761-070	26-Sep-2024 17:00	0908_QC305_240926	✓
ES2431761-071	27-Sep-2024 13:55	0908_QC306_240927	✓
ES2431761-072	20-Sep-2024 14:50	0908_MW232D_240920	✓
ES2431761-073	20-Sep-2024 14:43	0908_MW232S_240920	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV)	Email	[redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT)	Email	[redacted]
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	[redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- A4 - AU Tax Invoice (INV)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - ESDAT (ESDAT)	Email	
[redacted]		
- *AU Certificate of Analysis - NATA (COA)	Email	[redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)	Email	
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	
- Chain of Custody (CoC) (COC)	Email	
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM)	Email	
- EDI Format - ESDAT (ESDAT)	Email	

ALSCompass SAMPLING Intelligence

Environmental Division
Sydney
Work Order Reference
ES2431761

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60569462 **Client:** AECOM **Project Manager:** [redacted]
Phone:

ALS Compass COC Reference: 72989 **# Samples:** 71 **Sampler:**
Phone:

Turnaround Requirements: (Standard) _____ Urgent _____

Special Instructions:	ALS Use Only			
	Custody seal intact?	YES	NO	N/A
	Free ice / frozen ice bricks upon receipt?	YES	NO	N/A
	Random sample temperature on receipt?		°C	

Custody:

Relinquished by:	Received by:	Relinquished by:	Received by:
[redacted]			
Date / Time: 27/09/24	Date / Time: 27/9 3pm	Date / Time:	Date / Time: 27/9 19:20

LAB COPY

MAILED

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal Intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_MW106D_240924		24/09/2024 04:13 PM	WATER	ALS: 4 Non ALS: 0	No	X		
002	0908_MW106S_240924		24/09/2024 04:05 PM	WATER	ALS: 4 Non ALS: 0	No	X		
003	0908_MW107D_240923		23/09/2024 10:11 AM	WATER	ALS: 4 Non ALS: 0	No	X		
004	0908_MW107S_240923		23/09/2024 10:20 AM	WATER	ALS: 4 Non ALS: 0	No	X		
005	0908_MW108D_240924		24/09/2024 11:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
006	0908_MW108S_240924		24/09/2024 11:23 AM	WATER	ALS: 4 Non ALS: 0	No	X		
007	0908_MW109D_240924		24/09/2024 12:20 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
008	0908_MW125D_240923		23/09/2024 01:26 PM	WATER	ALS: 4 Non ALS: 0	No	X		
009	0908_MW125S_240923		23/09/2024 01:34 PM	WATER	ALS: 4 Non ALS: 0	No	X		
010	0908_MW126D_240923		23/09/2024 12:42 PM	WATER	ALS: 4 Non ALS: 0	No	X		
011	0908_MW126S_240923		23/09/2024 12:51 PM	WATER	ALS: 4 Non ALS: 0	No	X		
012	0908_MW128D_240925		25/09/2024 01:00 PM	WATER	ALS: 4 Non ALS: 0	No	X		
013	0908_MW128S_240925		25/09/2024 01:00 PM	WATER	ALS: 4 Non ALS: 0	No	X		
014	0908_MW130D_240926		26/09/2024 09:26 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PEASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_6 1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PEAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
015	0908_MW130S_240925		26/09/2024 09:32 AM	WATER	ALS: 4 Non ALS: 0	No	X		
016	0908_MW132D_240925		26/09/2024 10:04 AM	WATER	ALS: 4 Non ALS: 0	No	X		
017	0908_MW132S_240926		26/09/2024 10:10 AM	WATER	ALS: 4 Non ALS: 0	No	X		
018	0908_MW146AD_240923		23/09/2024 01:12 PM	WATER	ALS: 4 Non ALS: 0	No	X		
019	0908_MW146S_240923		23/09/2024 01:04 PM	WATER	ALS: 4 Non ALS: 0	No	X		
020	0908_MW160_240926		26/09/2024 10:40 AM	WATER	ALS: 4 Non ALS: 0	No	X		
021	0908_MW163_240924		24/09/2024 10:19 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
022	0908_MW167_240924		24/09/2024 10:37 AM	WATER	ALS: 4 Non ALS: 0	No	X		
023	0908_MW165_240924		24/09/2024 10:45 AM	WATER	ALS: 4 Non ALS: 0	No	X		
024	0908_MW169D_240924		24/09/2024 11:05 AM	WATER	ALS: 4 Non ALS: 0	No	X		
025	0908_MW169S_240924		24/09/2024 11:00 AM	WATER	ALS: 4 Non ALS: 0	No	X		
026	0908_MW172_240924		24/09/2024 01:45 PM	WATER	ALS: 4 Non ALS: 0	No	X		
027	0908_MW175D_240924		24/09/2024 11:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		
028	0908_MW178_240923		23/09/2024 02:11 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 606*2552_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal Intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
029	0908_MW232D_240920		20/09/2024 02:50 PM	WATER	ALS: 4 Non ALS: 0	No	X		
030	0908_MW232S_240920		20/09/2024 02:43 PM	WATER	ALS: 4 Non ALS: 0	No	X		
031	0908_MW240D_240925		25/09/2024 09:22 AM	WATER	ALS: 4 Non ALS: 0	No	X		
032	0908_MW241D_240923		23/09/2024 10:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		
033	0908_MW241S_240923		23/09/2024 10:49 AM	WATER	ALS: 4 Non ALS: 0	No	X		
034	0908_MW247D_240923		23/09/2024 04:08 PM	WATER	ALS: 4 Non ALS: 0	No	X		
035	0908_MW247S_240923		23/09/2024 03:55 PM	WATER	ALS: 4 Non ALS: 0	No	X		

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73

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0308_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60589462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_9.1 / ES2021AECOMAU0030

LABORATORY USE ONLY (Circle)

Custody Seal Intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
036	0905_MW264D_240927		27/09/2024 05:23 AM	WATER	ALS: 4 Non ALS: 0	No	X		
037	0908_MW264S_240927		27/09/2024 08:07 AM	WATER	ALS: 4 Non ALS: 0	No	X		
038	0908_MW278D_240923		23/09/2024 02:50 PM	WATER	ALS: 4 Non ALS: 0	No	X		
039	0908_MW278S_240923		23/09/2024 02:40 PM	WATER	ALS: 4 Non ALS: 0	No	X		
040	0908_MW278S_240925		25/09/2024 01:50 PM	WATER	ALS: 4 Non ALS: 0	No	X		
041	0908_MW286S_240923		23/09/2024 09:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		
042	0908_MW291S_240925		25/09/2024 09:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
043	0908_MW282S_240925		25/09/2024 09:36 AM	WATER	ALS: 4 Non ALS: 0	No	X		
044	0908_MW315D_240923		23/09/2024 11:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
045	0908_MW315S_240923		23/09/2024 11:25 AM	WATER	ALS: 4 Non ALS: 0	No	X		
046	0908_MW329_240925		25/09/2024 09:45 AM	WATER	ALS: 4 Non ALS: 0	No	X		
047	0908_MW340D_240925		25/09/2024 10:50 AM	WATER	ALS: 4 Non ALS: 0	No	X		
048	0908_MW340S_240925		25/09/2024 11:00 AM	WATER	ALS: 4 Non ALS: 0	No	X		
049	0908_MW342D_240926		25/09/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
050	0908_MW344D_240925		25/09/2024 10:15 AM	WATER	ALS: 4 Non ALS: 0	No	X		
051	0908_MW344S_240925		25/09/2024 10:10 AM	WATER	ALS: 4 Non ALS: 0	No	X		
052	0908_MW354S_240925		25/09/2024 10:40 AM	WATER	ALS: 4 Non ALS: 0	No	X		
053	0908_MW468_240924		24/09/2024 12:02 PM	WATER	ALS: 4 Non ALS: 0	No	X		
054	0908_MW468_240924		24/09/2024 12:11 PM	WATER	ALS: 4 Non ALS: 0	No	X		
055	0908_MW731D_240923		23/09/2024 03:15 PM	WATER	ALS: 4 Non ALS: 0	No	X		
056	0908_MW731S_240923		23/09/2024 03:05 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_21

SITE: WLM GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
057	0908_MW029_240926		26/09/2024 09:50 AM	WATER	ALS: 4 Non ALS: 0	No	X		
058	0908_QC106_240923		23/09/2024 10:55 AM	WATER	ALS: 4 Non ALS: 0	No	X		
059	0908_QC107_240923		23/09/2024 04:08 PM	WATER	ALS: 4 Non ALS: 0	No	X		
060	0908_QC108_240924		24/09/2024 11:05 AM	WATER	ALS: 4 Non ALS: 0	No	X		
061	0908_QC109_240925		25/09/2024 10:10 AM	WATER	ALS: 4 Non ALS: 0	No	X		
062	0908_QC110_240925		25/09/2024 10:30 AM	WATER	ALS: 4 Non ALS: 0	No	X		
063	0908_QC111_240927		27/09/2024 08:07 AM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60669462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/039/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
064	0908_QC112_240927		27/09/2024 05:23 AM	WATER	ALS: 4 Non ALS: 0	No	X		
065	0908_QC300_240919		19/09/2024 05:00 PM	WATER	ALS: 4 Non ALS: 0	No	X		
066	0908_QC301_240920		20/09/2024 04:00 PM	WATER	ALS: 4 Non ALS: 0	No	X		
067	0908_QC302_240923		23/09/2024 05:30 PM	WATER	ALS: 4 Non ALS: 0	No	X		
068	0908_QC303_240924		24/09/2024 05:30 PM	WATER	ALS: 4 Non ALS: 0	No	X		
069	0908_QC304_240925		25/09/2024 05:00 PM	WATER	ALS: 4 Non ALS: 0	No	X		
070	0908_QC305_240926		27/09/2024 05:00 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0906_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receip:		C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED		
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
071	0908_QC306_240927		27/09/2024 01:55 PM	WATER	ALS: 4 Non ALS: 0	No	X		

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 605569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_MW106D_240924	HDPE (no PTFE)	20 mL	00352309026431	Grey	No	
001	0908_MW106D_240924	HDPE (no PTFE)	20 mL	00352309038970	Grey	No	
001	0908_MW106D_240924	HDPE (no PTFE)	20 mL	00352309038369	Grey	No	
001	0908_MW106D_240924	HDPE (no PTFE)	20 mL	00352309038678	Grey	No	
002	0908_MW106S_240924	HDPE (no PTFE)	20 mL	00352309026461	Grey	No	
002	0908_MW106S_240924	HDPE (no PTFE)	20 mL	00352309038846	Grey	No	
002	0908_MW106S_240924	HDPE (no PTFE)	20 mL	00352309038936	Grey	No	
002	0908_MW106S_240924	HDPE (no PTFE)	20 mL	00352309026352	Grey	No	
003	0908_MW107D_240923	HDPE (no PTFE)	20 mL	00352309038931	Grey	No	
003	0908_MW107D_240923	HDPE (no PTFE)	20 mL	00352309038654	Grey	No	
003	0908_MW107D_240923	HDPE (no PTFE)	20 mL	00352309038725	Grey	No	
003	0908_MW107D_240923	HDPE (no PTFE)	20 mL	00352309038666	Grey	No	
004	0908_MW107S_240923	HDPE (no PTFE)	20 mL	00352309038800	Grey	No	
004	0908_MW107S_240923	HDPE (no PTFE)	20 mL	00352309027083	Grey	No	
004	0908_MW107S_240923	HDPE (no PTFE)	20 mL	00352309038941	Grey	No	
004	0908_MW107S_240923	HDPE (no PTFE)	20 mL	00352309027084	Grey	No	
005	0908_MW108D_240924	HDPE (no PTFE)	20 mL	00352309038744	Grey	No	
005	0908_MW108D_240924	HDPE (no PTFE)	20 mL	00352309038668	Grey	No	
005	0908_MW108D_240924	HDPE (no PTFE)	20 mL	00352309038879	Grey	No	
005	0908_MW108D_240924	HDPE (no PTFE)	20 mL	00352309038643	Grey	No	
006	0908_MW108S_240924	HDPE (no PTFE)	20 mL	00352309026382	Grey	No	
006	0908_MW108S_240924	HDPE (no PTFE)	20 mL	00352309039045	Grey	No	
006	0908_MW108S_240924	HDPE (no PTFE)	20 mL	00352309038925	Grey	No	
006	0908_MW108S_240924	HDPE (no PTFE)	20 mL	00352309039016	Grey	No	
007	0908_MW109D_240924	HDPE (no PTFE)	20 mL	00352309039008	Grey	No	
007	0908_MW109D_240924	HDPE (no PTFE)	20 mL	00352309038671	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_6.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

007	0908_MW109D_240924	HDPE (no PTFE)	20 mL	00352309038787	Grey	No	
007	0908_MW109D_240924	HDPE (no PTFE)	20 mL	00352309038448	Grey	No	
008	0908_MW125D_240923	HDPE (no PTFE)	20 mL	00352309026340	Grey	No	
008	0908_MW125D_240923	HDPE (no PTFE)	20 mL	00352309038714	Grey	No	
008	0908_MW125D_240923	HDPE (no PTFE)	20 mL	00352309038705	Grey	No	
008	0908_MW125D_240923	HDPE (no PTFE)	20 mL	00352309038967	Grey	No	
009	0908_MW125S_240923	HDPE (no PTFE)	20 mL	00352309038787	Grey	No	
009	0908_MW125S_240923	HDPE (no PTFE)	20 mL	00352309038648	Grey	No	
009	0908_MW125S_240923	HDPE (no PTFE)	20 mL	00352309038710	Grey	No	
009	0908_MW125S_240923	HDPE (no PTFE)	20 mL	00352309039065	Grey	No	
010	0908_MW126D_240923	HDPE (no PTFE)	20 mL	00352309039079	Grey	No	
010	0908_MW126D_240923	HDPE (no PTFE)	20 mL	00352309026328	Grey	No	
010	0908_MW126D_240923	HDPE (no PTFE)	20 mL	00352309038845	Grey	No	
010	0908_MW126D_240923	HDPE (no PTFE)	20 mL	00352309039031	Grey	No	
011	0908_MW126S_240924	HDPE (no PTFE)	20 mL	00352309038876	Grey	No	
011	0908_MW126S_240923	HDPE (no PTFE)	20 mL	00352309038695	Grey	No	
011	0908_MW126S_240923	HDPE (no PTFE)	20 mL	00352309026338	Grey	No	
011	0908_MW126S_240923	HDPE (no PTFE)	20 mL	00352309038987	Grey	No	
012	0908_MW128D_240925	HDPE (no PTFE)	20 mL	00352309010867	Grey	No	
012	0908_MW128D_240925	HDPE (no PTFE)	20 mL	00352309038698	Grey	No	
012	0908_MW128D_240925	HDPE (no PTFE)	20 mL	00352309010975	Grey	No	
012	0908_MW128D_240925	HDPE (no PTFE)	20 mL	00352309038726	Grey	No	
013	0908_MW128S_240925	HDPE (no PTFE)	20 mL	00352309026361	Grey	No	
013	0908_MW128S_240925	HDPE (no PTFE)	20 mL	00352309038684	Grey	No	
013	0908_MW128S_240925	HDPE (no PTFE)	20 mL	00352309026418	Grey	No	
013	0908_MW128S_240925	HDPE (no PTFE)	20 mL	00352309038693	Grey	No	
014	0908_MW130D_240926	HDPE (no PTFE)	20 ml	00350822026080	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

014	0908_MW130D_240926	HDPE (no PTFE)	20 mL	00350822025888	Grey	No	
014	0908_MW130D_240926	HDPE (no PTFE)	20 mL	00350822025589	Grey	No	
014	0908_MW130D_240926	HDPE (no PTFE)	20 mL	00350822025812	Grey	No	
015	0908_MW130S_240925	HDPE (no PTFE)	20 mL	00350822025907	Grey	No	
015	0908_MW130S_240925	HDPE (no PTFE)	20 mL	00352309026366	Grey	No	
015	0908_MW130S_240925	HDPE (no PTFE)	20 mL	00350822026111	Grey	No	
015	0908_MW130S_240925	HDPE (no PTFE)	20 mL	00352309039063	Grey	No	
016	0908_MW132D_240925	HDPE (no PTFE)	20 mL	00350822026131	Grey	No	
016	0908_MW132D_240925	HDPE (no PTFE)	20 mL	00350822025793	Grey	No	
016	0908_MW132D_240925	HDPE (no PTFE)	20 mL	00350822026092	Grey	No	
016	0908_MW132D_240925	HDPE (no PTFE)	20 mL	00350822026116	Grey	No	
017	0908_MW132S_240926	HDPE (no PTFE)	20 mL	00352309038804	Grey	No	
017	0908_MW132S_240926	HDPE (no PTFE)	20 mL	00352309026452	Grey	No	
017	0908_MW132S_240926	HDPE (no PTFE)	20 mL	00350822025650	Grey	No	
017	0908_MW132S_240926	HDPE (no PTFE)	20 mL	00350822026013	Grey	No	
018	0908_MW146AD_240923	HDPE (no PTFE)	20 mL	00352309038797	Grey	No	
018	0908_MW146AD_240923	HDPE (no PTFE)	20 mL	00352309038811	Grey	No	
018	0908_MW146AD_240923	HDPE (no PTFE)	20 mL	00352309025343	Grey	No	
018	0908_MW146AD_240923	HDPE (no PTFE)	20 mL	00352309038787	Grey	No	
019	0908_MW146S_240923	HDPE (no PTFE)	20 mL	00352309038720	Grey	No	
019	0908_MW146S_240923	HDPE (no PTFE)	20 mL	00352309026354	Grey	No	
019	0908_MW146S_240923	HDPE (no PTFE)	20 mL	00352309039032	Grey	No	
019	0908_MW146S_240923	HDPE (no PTFE)	20 mL	00352309038696	Grey	No	
020	0908_MW160_240926	HDPE (no PTFE)	20 mL	00350822026075	Grey	No	
020	0908_MW160_240926	HDPE (no PTFE)	20 mL	00350822026051	Grey	No	
020	0908_MW160_240926	HDPE (no PTFE)	20 mL	00350822026023	Grey	No	
020	0908_MW160_240926	HDPE (no PTFE)	20 mL	00350822025652	Grey	No	

CHAIN OF CUSTODY

COC#: 72959 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazards Info:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free Ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

021	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309038792	Grey	No	
021	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309038839	Grey	No	
021	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309027077	Grey	No	
021	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309039067	Grey	No	
022	0908_MW167_240924	HDPE (no PTFE)	20 mL	00352309038731	Grey	No	
022	0908_MW167_240924	HDPE (no PTFE)	20 mL	00352309027080	Grey	No	
022	0908_MW167_240924	HDPE (no PTFE)	20 mL	00352309027075	Grey	No	
022	0908_MW167_240924	HDPE (no PTFE)	20 mL	00352309038953	Grey	No	
023	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309039013	Grey	No	
023	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309026927	Grey	No	
023	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309039024	Grey	No	
023	0908_MW168_240924	HDPE (no PTFE)	20 mL	00352309038960	Grey	No	
024	0908_MW169D_240924	HDPE (no PTFE)	20 mL	00352309038665	Grey	No	
024	0908_MW169D_240924	HDPE (no PTFE)	20 mL	00352309026367	Grey	No	
024	0908_MW169D_240924	HDPE (no PTFE)	20 mL	00352309027061	Grey	No	
024	0908_MW169D_240924	HDPE (no PTFE)	20 mL	00352309038704	Grey	No	
025	0908_MW169S_240924	HDPE (no PTFE)	20 mL	00352309038912	Grey	No	
025	0908_MW169S_240924	HDPE (no PTFE)	20 mL	00352309038964	Grey	No	
025	0908_MW169S_240924	HDPE (no PTFE)	20 mL	00352309038786	Grey	No	
025	0908_MW169S_240924	HDPE (no PTFE)	20 mL	00352309038762	Grey	No	
026	0908_MW172_240924	HDPE (no PTFE)	20 mL	00352309026427	Grey	No	
026	0908_MW172_240924	HDPE (no PTFE)	20 mL	00352309039009	Grey	No	
026	0908_MW172_240924	HDPE (no PTFE)	20 mL	00352309038956	Grey	No	
026	0908_MW172_240924	HDPE (no PTFE)	20 mL	00352309038909	Grey	No	
027	0908_MW175D_240924	HDPE (no PTFE)	20 mL	00352309026420	Grey	No	
027	0908_MW175D_240924	HDPE (no PTFE)	20 mL	00352309026433	Grey	No	
027	0908_MW175D_240924	HDPE (no PTFE)	20 ml	00352309038733	Grey	No	

CHAIN OF CUSTODY

COC#: 72969 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60662462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

027	0908_MW175D_240924	HDPE (no PTFE)	20 mL	00352309038781	Grey	No	
026	0908_MW178_240923	HDPE (no PTFE)	20 mL	00352309038822	Grey	No	
026	0908_MW178_240923	HDPE (no PTFE)	20 mL	00352309038874	Grey	No	
026	0908_MW178_240923	HDPE (no PTFE)	20 mL	00352309038802	Grey	No	
026	0908_MW178_240923	HDPE (no PTFE)	20 mL	00352309038863	Grey	No	
029	0908_MW232D_240920	HDPE (no PTFE)	20 mL	00352309038721	Grey	No	
029	0908_MW232D_240920	HDPE (no PTFE)	20 mL	00352309038846	Grey	No	
029	0908_MW232D_240920	HDPE (no PTFE)	20 mL	00352309038820	Grey	No	
029	0908_MW232D_240920	HDPE (no PTFE)	20 mL	00352309038681	Grey	No	
030	0908_MW232S_240920	HDPE (no PTFE)	20 mL	00352309038745	Grey	No	
030	0908_MW232S_240920	HDPE (no PTFE)	20 mL	00352309039070	Grey	No	
030	0908_MW232S_240920	HDPE (no PTFE)	20 mL	00352309026468	Grey	No	
030	0908_MW232S_240920	HDPE (no PTFE)	20 mL	00352309038730	Grey	No	
031	0908_MW240D_240925	HDPE (no PTFE)	20 mL	00352309038640	Grey	No	
031	0908_MW240D_240925	HDPE (no PTFE)	20 mL	00352309038955	Grey	No	
031	0908_MW240D_240925	HDPE (no PTFE)	20 mL	00352309038950	Grey	No	
031	0908_MW240D_240925	HDPE (no PTFE)	20 mL	00352309038936	Grey	No	
032	0908_MW241D_240923	HDPE (no PTFE)	20 mL	00352309038949	Grey	No	
032	0908_MW241D_240923	HDPE (no PTFE)	20 mL	00352309038939	Grey	No	
032	0908_MW241D_240923	HDPE (no PTFE)	20 mL	00352309038729	Grey	No	
032	0908_MW241D_240923	HDPE (no PTFE)	20 mL	00352309026321	Grey	No	
033	0908_MW241S_240923	HDPE (no PTFE)	20 mL	00352309039001	Grey	No	
033	0908_MW241S_240923	HDPE (no PTFE)	20 mL	00352309038732	Grey	No	
033	0908_MW241S_240923	HDPE (no PTFE)	20 mL	00352309038651	Grey	No	
033	0908_MW241S_240923	HDPE (no PTFE)	20 mL	00352309039023	Grey	No	
034	0908_MW247D_240923	HDPE (no PTFE)	20 mL	00352309038531	Grey	No	
034	0908_MW247D_240923	HDPE (no PTFE)	20 mL	00352309038713	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environments

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

034	0908_MW247D_240923	HDPE (no PTFE)	20 mL	00352309026334	Grey	No	
034	0908_MW247D_240923	HDPE (no PTFE)	20 mL	00352309038795	Grey	No	
035	0908_MW247S_240923	HDPE (no PTFE)	20 mL	00352309026473	Grey	No	
035	0908_MW247S_240923	HDPE (no PTFE)	20 mL	00352309038907	Grey	No	
035	0908_MW247S_240923	HDPE (no PTFE)	20 mL	00352309026329	Grey	No	
035	0908_MW247S_240923	HDPE (no PTFE)	20 mL	00352309039042	Grey	No	
036	0908_MW264D_240927	HDPE (no PTFE)	20 mL	00350822025833	Grey	No	
036	0908_MW264D_240927	HDPE (no PTFE)	20 mL	00350822025847	Grey	No	
036	0908_MW264D_240927	HDPE (no PTFE)	20 mL	00350822025813	Grey	No	
036	0908_MW264D_240927	HDPE (no PTFE)	20 mL	00350822025813	Grey	No	
037	0908_MW264S_240927	HDPE (no PTFE)	20 mL	00350822025706	Grey	No	
037	0908_MW264S_240927	HDPE (no PTFE)	20 mL	00350822026126	Grey	No	
037	0908_MW264S_240927	HDPE (no PTFE)	20 mL	00350822025794	Grey	No	
037	0908_MW264S_240927	HDPE (no PTFE)	20 mL	00350822025594	Grey	No	
038	0908_MW278D_240923	HDPE (no PTFE)	20 mL	00352309038602	Grey	No	
038	0908_MW278D_240923	HDPE (no PTFE)	20 mL	00352309026890	Grey	No	
038	0908_MW278D_240923	HDPE (no PTFE)	20 mL	00352309038766	Grey	No	
038	0908_MW278D_240923	HDPE (no PTFE)	20 mL	00352309039029	Grey	No	
039	0908_MW278S_240923	HDPE (no PTFE)	20 mL	00352309038780	Grey	No	
039	0908_MW278S_240923	HDPE (no PTFE)	20 mL	00352309038657	Grey	No	
039	0908_MW278S_240923	HDPE (no PTFE)	20 mL	00352309039049	Grey	No	
039	0908_MW278S_240923	HDPE (no PTFE)	20 mL	00352309038792	Grey	No	
040	0908_MW278S_240925	HDPE (no PTFE)	20 mL	00352309038994	Grey	No	
040	0908_MW278S_240925	HDPE (no PTFE)	20 mL	00352309038654	Grey	No	
040	0908_MW278S_240925	HDPE (no PTFE)	20 mL	00352309026415	Grey	No	
040	0908_MW278S_240925	HDPE (no PTFE)	20 mL	00352309038979	Grey	No	
041	0908_MW280S_240923	HDPE (no PTFE)	20 mL	00352309038914	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21 01

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

CONTACT PH: SAMPLER MOBILE:
QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

041	0908_MW280S_240923	HDPE (no PTFE)	20 mL	00352309038715	Grey	No	
041	0908_MW280S_240923	HDPE (no PTFE)	20 mL	00352309026385	Grey	No	
041	0908_MW280S_240923	HDPE (no PTFE)	20 mL	00352309039894	Grey	No	
042	0908_MW281S_240925	HDPE (no PTFE)	20 mL	00352309039043	Grey	No	
042	0908_MW281S_240925	HDPE (no PTFE)	20 mL	00352309010951	Grey	No	
042	0908_MW281S_240925	HDPE (no PTFE)	20 mL	00352309038923	Grey	No	
042	0908_MW281S_240925	HDPE (no PTFE)	20 mL	00352309010867	Grey	No	
043	0908_MW282S_240925	HDPE (no PTFE)	20 mL	00352309038650	Grey	No	
043	0908_MW282S_240925	HDPE (no PTFE)	20 mL	00352309038656	Grey	No	
043	0908_MW282S_240925	HDPE (no PTFE)	20 mL	00352309038647	Grey	No	
043	0908_MW282S_240925	HDPE (no PTFE)	20 mL	00352309038755	Grey	No	
044	0908_MW315D_240923	HDPE (no PTFE)	20 mL	00352309038805	Grey	No	
044	0908_MW315D_240923	HDPE (no PTFE)	20 mL	00352309038951	Grey	No	
044	0908_MW315D_240923	HDPE (no PTFE)	20 mL	00352309039041	Grey	No	
044	0908_MW315D_240923	HDPE (no PTFE)	20 mL	00352309026397	Grey	No	
045	0908_MW315S_240923	HDPE (no PTFE)	20 mL	00352309038742	Grey	No	
045	0908_MW315S_240923	HDPE (no PTFE)	20 mL	00352309038757	Grey	No	
045	0908_MW315S_240923	HDPE (no PTFE)	20 mL	00352309038832	Grey	No	
045	0908_MW315S_240923	HDPE (no PTFE)	20 mL	00352309038659	Grey	No	
046	0908_MW329_240925	HDPE (no PTFE)	20 mL	00352309010726	Grey	No	
046	0908_MW329_240925	HDPE (no PTFE)	20 mL	00352309010758	Grey	No	
046	0908_MW329_240925	HDPE (no PTFE)	20 mL	00352309010997	Grey	No	
046	0908_MW329_240925	HDPE (no PTFE)	20 mL	00352309011018	Grey	No	
047	0908_MW340D_240925	HDPE (no PTFE)	20 mL	00352309036642	Grey	No	
047	0908_MW340D_240925	HDPE (no PTFE)	20 mL	00352309038671	Grey	No	
047	0908_MW340D_240925	HDPE (no PTFE)	20 mL	00352309010949	Grey	No	
047	0908_MW340D_240925	HDPE (no PTFE)	20 mL	00352309010681	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO

TURNAROUND REQUIREMENTS : 5 Days

Biohazard Info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

047	0908_MW340S_240925	HDPE (no PTFE)	20 mL	00352309010827	Grey	No	
048	0908_MW340S_240925	HDPE (no PTFE)	20 mL	00352309010890	Grey	No	
048	0908_MW340S_240925	HDPE (no PTFE)	20 mL	00352309010563	Grey	No	
048	0908_MW340S_240925	HDPE (no PTFE)	20 mL	00352309010602	Grey	No	
049	0908_MW342D_240925	HDPE (no PTFE)	20 mL	00352309010729	Grey	No	
049	0908_MW342D_240925	HDPE (no PTFE)	20 mL	00352309038913	Grey	No	
049	0908_MW342D_240925	HDPE (no PTFE)	20 mL	00352309026384	Grey	No	
049	0908_MW342D_240925	HDPE (no PTFE)	20 mL	00352309010885	Grey	No	
050	0908_MW344D_240925	HDPE (no PTFE)	20 mL	00352309010917	Grey	No	
050	0908_MW344D_240925	HDPE (no PTFE)	20 mL	00352309038796	Grey	No	
050	0908_MW344D_240925	HDPE (no PTFE)	20 mL	00352309010922	Grey	No	
050	0908_MW344D_240925	HDPE (no PTFE)	20 mL	00352309026391	Grey	No	
051	0908_MW344S_240925	HDPE (no PTFE)	20 mL	00350522049779	Grey	No	
051	0908_MW344S_240925	HDPE (no PTFE)	20 mL	00352309038929	Grey	No	
051	0908_MW344S_240925	HDPE (no PTFE)	20 mL	00352309038718	Grey	No	
051	0908_MW344S_240925	HDPE (no PTFE)	20 mL	00350522049625	Grey	No	
052	0908_MW354S_240925	HDPE (no PTFE)	20 mL	00352309010532	Grey	No	
052	0908_MW354S_240925	HDPE (no PTFE)	20 mL	00352309010499	Grey	No	
052	0908_MW354S_240925	HDPE (no PTFE)	20 mL	00352309010998	Grey	No	
052	0908_MW354S_240925	HDPE (no PTFE)	20 mL	00352309010672	Grey	No	
053	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309038687	Grey	No	
053	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309038736	Grey	No	
053	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309038670	Grey	No	
053	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309026346	Grey	No	
054	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309038701	Grey	No	
054	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309038870	Grey	No	
054	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309038885	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

054	0908_MW466_240924	HDPE (no PTFE)	20 mL	00352309038862	Grey	No	
055	0908_MW731D_240923	HDPE (no PTFE)	20 mL	00352309038879	Grey	No	
055	0908_MW731D_240923	HDPE (no PTFE)	20 mL	00352309039050	Grey	No	
055	0908_MW731D_240923	HDPE (no PTFE)	20 mL	00352309039067	Grey	No	
055	0908_MW731D_240923	HDPE (no PTFE)	20 mL	00352309038846	Grey	No	
055	0908_MW731S_240923	HDPE (no PTFE)	20 mL	00352309039073	Grey	No	
056	0908_MW731S_240923	HDPE (no PTFE)	20 mL	00352309038642	Grey	No	
056	0908_MW731S_240923	HDPE (no PTFE)	20 mL	00352309039080	Grey	No	
056	0908_MW731S_240923	HDPE (no PTFE)	20 mL	00352309039066	Grey	No	
057	0908_MW829_240926	HDPE (no PTFE)	20 mL	00350822025670	Grey	No	
057	0908_MW829_240926	HDPE (no PTFE)	20 mL	00350822025760	Grey	No	
057	0908_MW829_240926	HDPE (no PTFE)	20 mL	00350822026076	Grey	No	
057	0908_MW829_240926	HDPE (no PTFE)	20 mL	00350822026084	Grey	No	
058	0908_QC106_240923	HDPE (no PTFE)	20 mL	00352309039853	Grey	No	
058	0908_QC106_240923	HDPE (no PTFE)	20 mL	00352309038776	Grey	No	
058	0908_QC106_240923	HDPE (no PTFE)	20 mL	00352309038982	Grey	No	
058	0908_QC106_240923	HDPE (no PTFE)	20 mL	00352309038966	Grey	No	
059	0908_QC107_240923	HDPE (no PTFE)	20 mL	00352309038943	Grey	No	
059	0908_QC107_240923	HDPE (no PTFE)	20 mL	00352309038812	Grey	No	
059	0908_QC107_240923	HDPE (no PTFE)	20 mL	00352309038897	Grey	No	
059	0908_QC107_240923	HDPE (no PTFE)	20 mL	00352309026335	Grey	No	
060	0908_QC108_240924	HDPE (no PTFE)	20 mL	00352309038886	Grey	No	
060	0908_QC108_240924	HDPE (no PTFE)	20 mL	00352309038904	Grey	No	
060	0908_QC108_240924	HDPE (no PTFE)	20 mL	00352309038770	Grey	No	
060	0908_QC108_240924	HDPE (no PTFE)	20 mL	00352309038935	Grey	No	
061	0908_QC109_240925	HDPE (no PTFE)	20 mL	00352309038850	Grey	No	
061	0908_QC109_240925	HDPE (no PTFE)	20 mL	00352309038897	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW 0909_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60669462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal Intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

061	0908_QC109_240925	HDPE (no PTFE)	20 mL	00352309038986	Grey	No	
061	0908_QC109_240925	HDPE (no PTFE)	20 mL	00352309038876	Grey	No	
062	0908_QC110_240925	HDPE (no PTFE)	20 mL	00352309010586	Grey	No	
062	0908_QC110_240925	HDPE (no PTFE)	20 mL	00352309038940	Grey	No	
062	0908_QC110_240925	HDPE (no PTFE)	20 mL	00352309011054	Grey	No	
062	0908_QC110_240925	HDPE (no PTFE)	20 mL	00352309026465	Grey	No	
063	0908_QC111_240927	HDPE (no PTFE)	20 mL	00350822026103	Grey	No	
063	0908_QC111_240927	HDPE (no PTFE)	20 mL	00350822025869	Grey	No	
063	0908_QC111_240927	HDPE (no PTFE)	20 mL	00350822026020	Grey	No	
063	0908_QC111_240927	HDPE (no PTFE)	20 mL	00350822026102	Grey	No	
064	0908_QC112_240927	HDPE (no PTFE)	20 mL	00350822025861	Grey	No	
064	0908_QC112_240927	HDPE (no PTFE)	20 mL	00350822026133	Grey	No	
064	0908_QC112_240927	HDPE (no PTFE)	20 mL	00350822025993	Grey	No	
064	0908_QC112_240927	HDPE (no PTFE)	20 mL	00350822026093	Grey	No	
065	0908_QC300_240919	HDPE (no PTFE)	20 mL	00352309039071	Grey	No	
065	0908_QC300_240919	HDPE (no PTFE)	20 mL	00352309039704	Grey	No	
065	0908_QC300_240919	HDPE (no PTFE)	20 mL	00352309039066	Grey	No	
065	0908_QC300_240919	HDPE (no PTFE)	20 mL	00352309038662	Grey	No	
066	0908_QC301_240920	HDPE (no PTFE)	20 mL	00352309010630	Grey	No	
066	0908_QC301_240920	HDPE (no PTFE)	20 mL	00352309011007	Grey	No	
066	0908_QC301_240920	HDPE (no PTFE)	20 mL	00352309010627	Grey	No	
066	0908_QC301_240920	HDPE (no PTFE)	20 mL	00352309010663	Grey	No	
067	0908_QC302_240923	HDPE (no PTFE)	20 mL	00352309038885	Grey	No	
067	0908_QC302_240923	HDPE (no PTFE)	20 mL	00352309010740	Grey	No	
067	0908_QC302_240923	HDPE (no PTFE)	20 mL	00352309010916	Grey	No	
067	0908_QC302_240923	HDPE (no PTFE)	20 mL	00352309010630	Grey	No	
068	0908_QC305_240924	HDPE (no PTFE)	20 mL	00352309026331	Grey	No	

CHAIN OF CUSTODY

COC#: 72989 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_GW

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

068	0908_QC305_240924	HDPE (no PTFE)	20 mL	00352309010717	Grey	No	
068	0908_QC303_240924	HDPE (no PTFE)	20 ml	00352309039057	Grey	No	
068	0908_QC303_240924	HDPE (no PTFE)	20 mL	00350522049811	Grey	No	
069	0908_QC304_240925	HDPE (no PTFE)	20 mL	00352309038771	Grey	No	
069	0908_QC304_240925	HDPE (no PTFE)	20 mL	00352309010689	Grey	No	
069	0908_QC304_240925	HDPE (no PTFE)	20 mL	00352309010856	Grey	No	
069	0908_QC304_240925	HDPE (no PTFE)	20 mL	00352309011626	Grey	No	
070	0908_QC305_240926	HDPE (no PTFE)	20 mL	00352309010779	Grey	No	
070	0908_QC305_240926	HDPE (no PTFE)	20 mL	00352309038733	Grey	No	
070	0908_QC305_240926	HDPE (no PTFE)	20 mL	00350522049663	Grey	No	
070	0908_QC305_240926	HDPE (no PTFE)	20 mL	00352309038660	Grey	No	
071	0908_QC306_240927	HDPE (no PTFE)	20 mL	00352309010700	Grey	No	
071	0908_QC306_240927	HDPE (no PTFE)	20 mL	00352309010863	Grey	No	
071	0908_QC306_240927	HDPE (no PTFE)	20 ml	00352309039037	Grey	No	
071	0908_QC306_240927	HDPE (no PTFE)	20 mL	00352309038896	Grey	No	

Total Bottle Count: ALS: 284, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2431762**	Page	: 1 of 23
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024 15:00
Order number	: 60569462_21.01	Date Analysis Commenced	: 30-Sep-2024
C-O-C number	: 72990	Issue Date	: 04-Oct-2024 15:45
Sampler	: [redacted]		
Site	: WLM_SW/SD		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 46		
No. of samples analysed	: 46		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Inorganics, Smithfield, NSW
	Organic Chemist	Sydney Organics, Smithfield, NSW
	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD001_240925	0908_SD005_240927	0908_SD006_240925	0908_SD007_240925	0908_SD009_240923
				Sampling date / time	25-Sep-2024 08:05	27-Sep-2024 10:25	25-Sep-2024 08:30	25-Sep-2024 08:15	23-Sep-2024 16:20
Compound	CAS Number	LOR	Unit		ES2431762-001	ES2431762-002	ES2431762-003	ES2431762-004	ES2431762-005
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**66.4**	**65.6**	**80.0**	**28.8**	**21.4**
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		**0.0004**	<0.0002	**0.0005**	<0.0002	<0.0002
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		**0.0005**	<0.0002	**0.0004**	<0.0002	<0.0002
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0149**	**0.0006**	**0.0199**	**0.0015**	**0.0005**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0028**	<0.0002	**0.0028**	**0.0002**	<0.0002
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.133**	**0.0083**	**0.532**	**0.0417**	**0.0082**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	<0.0002	**0.0076**	**0.0003**	<0.0002
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	<0.001	<0.001	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		**0.0002**	<0.0002	**0.0024**	<0.0002	<0.0002
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		**0.0005**	<0.0002	**0.0018**	<0.0002	<0.0002
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	<0.0002	**0.0004**	<0.0002	<0.0002
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		**0.0004**	<0.0002	**0.0006**	<0.0002	<0.0002
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	<0.0002	**0.0007**	<0.0002	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	<0.0002	**0.0012**	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		**0.0005**	<0.0002	**0.0040**	<0.0002	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	<0.0002	**0.0011**	<0.0002	<0.0002
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		**0.0005**	<0.0005	**0.0024**	<0.0005	<0.0005
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		**0.0012**	<0.0002	**0.0016**	<0.0002	<0.0002

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD001_240925	0908_SD005_240927	0908_SD006_240925	0908_SD007_240925	0908_SD009_240923
				Sampling date / time	25-Sep-2024 08:05	27-Sep-2024 10:25	25-Sep-2024 08:30	25-Sep-2024 08:15	23-Sep-2024 16:20
Compound	CAS Number	LOR	Unit		ES2431762-001	ES2431762-002	ES2431762-003	ES2431762-004	ES2431762-005
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.155**	**0.0089**	**0.579**	**0.0437**	**0.0087**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.148**	**0.0089**	**0.552**	**0.0432**	**0.0087**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.149**	**0.0089**	**0.558**	**0.0432**	**0.0087**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**90.4**	**86.6**	**93.2**	**95.6**	**99.8**
13C8-PFOA	----	0.0002	%		**101**	**95.4**	**96.9**	**107**	**93.6**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD011_240926	0908_SD014_240927	0908_SD023_240927	0908_SD024_240927	0908_SD047_240924
				Sampling date / time	26-Sep-2024 12:00	27-Sep-2024 08:55	27-Sep-2024 11:15	27-Sep-2024 10:55	24-Sep-2024 12:40
Compound	CAS Number	LOR	Unit		ES2431762-006	ES2431762-007	ES2431762-008	ES2431762-009	ES2431762-010
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**21.4**	**31.1**	**43.7**	**33.3**	**25.0**
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0009**	<0.0002	<0.0002	**0.0005**	**0.0057**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0002**	<0.0002	<0.0002	<0.0002	**0.0006**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0300**	**0.0004**	**0.0013**	**0.0103**	**0.0685**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	**0.0003**
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	<0.001	<0.001	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0003**	**0.0004**
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	**0.0004**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD011_240926	0908_SD014_240927	0908_SD023_240927	0908_SD024_240927	0908_SD047_240924
				Sampling date / time	26-Sep-2024 12:00	27-Sep-2024 08:55	27-Sep-2024 11:15	27-Sep-2024 10:55	24-Sep-2024 12:40
Compound	CAS Number	LOR	Unit		ES2431762-006	ES2431762-007	ES2431762-008	ES2431762-009	ES2431762-010
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0311**	**0.0004**	**0.0013**	**0.0111**	**0.0759**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0309**	**0.0004**	**0.0013**	**0.0108**	**0.0742**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0309**	**0.0004**	**0.0013**	**0.0111**	**0.0746**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**109**	**110**	**101**	**104**	**113**
13C8-PFOA	----	0.0002	%		**106**	**98.2**	**103**	**101**	**105**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD048_240924	0908_SD055_240924	0908_SD059_240923	0908_SD060_240919	0908_SD062_240920
				Sampling date / time	24-Sep-2024 13:35	24-Sep-2024 11:40	23-Sep-2024 13:50	19-Sep-2024 16:55	20-Sep-2024 12:55
Compound	CAS Number	LOR	Unit		ES2431762-011	ES2431762-012	ES2431762-013	ES2431762-014	ES2431762-015
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**20.9**	**17.6**	**19.7**	**34.2**	**28.7**
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0012**	<0.0002
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0018**	<0.0002
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0015**	**0.0005**	<0.0002	**0.0213**	**0.0003**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0076**	<0.0002
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0040**	**0.0028**	**0.0011**	**0.205**	**0.0026**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	<0.001	<0.001	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0011**	<0.0002
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0003**	<0.0002
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0012**	<0.0002
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD048_240924	0908_SD055_240924	0908_SD059_240923	0908_SD060_240919	0908_SD062_240920
				Sampling date / time	24-Sep-2024 13:35	24-Sep-2024 11:40	23-Sep-2024 13:50	19-Sep-2024 16:55	20-Sep-2024 12:55
Compound	CAS Number	LOR	Unit		ES2431762-011	ES2431762-012	ES2431762-013	ES2431762-014	ES2431762-015
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0055**	**0.0033**	**0.0011**	**0.240**	**0.0029**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0055**	**0.0033**	**0.0011**	**0.226**	**0.0029**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0055**	**0.0033**	**0.0011**	**0.230**	**0.0029**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**110**	**97.6**	**102**	**120**	**109**
13C8-PFOA	----	0.0002	%		**105**	**102**	**94.8**	**101**	**101**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD079_240925	0908_SD081_240920	0908_SD108_240925	0908_SD110_240925	0908_QC100_240919
				Sampling date / time	25-Sep-2024 13:15	20-Sep-2024 09:15	25-Sep-2024 11:35	25-Sep-2024 11:25	19-Sep-2024 16:55
Compound	CAS Number	LOR	Unit		ES2431762-016	ES2431762-017	ES2431762-018	ES2431762-019	ES2431762-041
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**48.0**	**87.3**	**35.5**	**60.7**	**35.2**
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	**0.0012**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0003**	**0.0018**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0021**	**0.0022**	**0.0016**	**0.0106**	**0.0258**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0002**	<0.0002	**0.0003**	**0.0021**	**0.0043**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0182**	**0.0137**	**0.0698**	**0.427**	**0.164**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	<0.0002	**0.0110**	**0.0043**	<0.0002
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	<0.001	<0.001	<0.001	<0.001
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0004**	**0.0003**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0013**	**0.0014**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0005**	**0.0003**
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0014**	**0.0009**
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	<0.0002	**0.0002**	**0.0004**	<0.0002
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	**0.0009**	<0.0002
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	<0.0006	<0.0005	**0.0016**	<0.0005
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	<0.0002	**0.0076**	**0.199**	<0.0002

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_SD079_240925	0908_SD081_240920	0908_SD108_240925	0908_SD110_240925	0908_QC100_240919
				Sampling date / time	25-Sep-2024 13:15	20-Sep-2024 09:15	25-Sep-2024 11:35	25-Sep-2024 11:25	19-Sep-2024 16:55
Compound	CAS Number	LOR	Unit		ES2431762-016	ES2431762-017	ES2431762-018	ES2431762-019	ES2431762-041
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0006	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0006	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0006	<0.0005	<0.0005	<0.0005
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0006	<0.0005	<0.0005	<0.0005
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	**0.0014**	<0.0005
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0205**	**0.0159**	**0.0905**	**0.651**	**0.200**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0203**	**0.0159**	**0.0714**	**0.438**	**0.190**
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0203**	**0.0159**	**0.0714**	**0.443**	**0.194**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**108**	**109**	**98.2**	**88.8**	**98.1**
13C8-PFOA	----	0.0002	%		**104**	**109**	**101**	**82.2**	**99.2**

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_QC102_240923	0908_QC105_240923	----	----	----
				Sampling date / time	23-Sep-2024 13:50	23-Sep-2024 16:20	----	----	----
Compound	CAS Number	LOR	Unit		ES2431762-043	ES2431762-046	--------	--------	--------
					Result	Result	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**19.8**	**21.5**	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		<0.0002	**0.0005**	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0003**	**0.0099**	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	<0.001	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		<0.0002	<0.0002	----	----	----

Analytical Results

Sub-Matrix: SEDIMENT (Matrix: SOIL)				Sample ID	0908_QC102_240923	0908_QC105_240923	----	----	----
				Sampling date / time	23-Sep-2024 13:50	23-Sep-2024 16:20	----	----	----
Compound	CAS Number	LOR	Unit		ES2431762-043	ES2431762-046	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	<0.0002	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	<0.0005	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0003**	**0.0104**	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0003**	**0.0104**	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0003**	**0.0104**	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**93.8**	**104**	----	----	----
13C8-PFOA	----	0.0002	%		**98.8**	**101**	----	----	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW001_240925	0908_SW005_240927	0908_SW006_240925	0908_SW007_240925	0908_SW009_240923
				Sampling date / time	25-Sep-2024 08:05	27-Sep-2024 10:25	25-Sep-2024 08:30	25-Sep-2024 08:15	23-Sep-2024 16:30
Compound	CAS Number	LOR	Unit		ES2431762-020	ES2431762-021	ES2431762-022	ES2431762-023	ES2431762-024
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.02**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		<0.02	<0.02	<0.02	**0.03**	**0.04**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.40**	**0.22**	**0.63**	**0.70**	**0.58**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.03**	<0.02	<0.02	**0.04**	**0.04**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**1.90**	**0.54**	**1.27**	**4.85**	**1.56**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.02**	<0.02	**0.08**	**0.04**	**0.02**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.08**	**0.04**	**0.16**	**0.12**	**0.10**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	**0.04**	<0.02	<0.02
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.03**	**0.02**	**0.03**	**0.05**	**0.04**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW001_240925	0908_SW005_240927	0908_SW006_240925	0908_SW007_240925	0908_SW009_240923
				Sampling date / time	25-Sep-2024 08:05	27-Sep-2024 10:25	25-Sep-2024 08:30	25-Sep-2024 08:15	23-Sep-2024 16:30
Compound	CAS Number	LOR	Unit		ES2431762-020	ES2431762-021	ES2431762-022	ES2431762-023	ES2431762-024
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.46**	**0.82**	**2.21**	**5.85**	**2.40**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.30**	**0.76**	**1.90**	**5.55**	**2.14**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**2.43**	**0.82**	**2.21**	**5.76**	**2.32**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**111**	**110**	**113**	**113**	**117**
13C8-PFOA	----	0.02	%		**112**	**105**	**117**	**107**	**106**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW011_240926	0908_SW014_240927	0908_SW023_240927	0908_SW024_240927	0908_SW047_240924
				Sampling date / time	26-Sep-2024 12:00	27-Sep-2024 08:55	27-Sep-2024 11:15	27-Sep-2024 10:55	24-Sep-2024 12:50
Compound	CAS Number	LOR	Unit		ES2431762-025	ES2431762-026	ES2431762-027	ES2431762-028	ES2431762-029
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.04**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.03**	<0.02	<0.02	<0.02	**0.05**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.44**	**0.23**	**0.07**	**0.05**	**0.88**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.03**	**0.02**	<0.02	<0.02	**0.06**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**1.40**	**0.60**	**0.18**	**0.05**	**4.28**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.06**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.08**	**0.04**	<0.02	<0.02	**0.19**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	**0.06**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.03**	**0.02**	<0.01	<0.01	**0.08**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW011_240926	0908_SW014_240927	0908_SW023_240927	0908_SW024_240927	0908_SW047_240924
				Sampling date / time	26-Sep-2024 12:00	27-Sep-2024 08:55	27-Sep-2024 11:15	27-Sep-2024 10:55	24-Sep-2024 12:50
Compound	CAS Number	LOR	Unit		ES2431762-025	ES2431762-026	ES2431762-027	ES2431762-028	ES2431762-029
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	**0.06**
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.01**	**0.91**	**0.25**	**0.10**	**5.78**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.84**	**0.83**	**0.25**	**0.10**	**5.16**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**1.95**	**0.89**	**0.25**	**0.10**	**5.65**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**117**	**114**	**117**	**99.9**	**114**
13C8-PFOA	----	0.02	%		**104**	**107**	**111**	**110**	**104**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW048_240924	0908_SW055_240924	0908_SW059_240923	0908_SW060_240919	0908_SW062_240920
				Sampling date / time	24-Sep-2024 13:42	24-Sep-2024 11:35	23-Sep-2024 13:55	19-Sep-2024 17:10	20-Sep-2024 12:55
Compound	CAS Number	LOR	Unit		ES2431762-030	ES2431762-031	ES2431762-032	ES2431762-033	ES2431762-034
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.06**	**0.09**	**0.10**	**0.63**	**0.04**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.08**	**0.11**	**0.12**	**0.84**	**0.05**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.90**	**1.18**	**1.50**	**8.10**	**0.51**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.08**	**0.04**	**0.07**	**0.63**	<0.02
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.88**	**0.76**	**1.70**	**17.8**	**0.60**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	**0.3**	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.04**	**0.05**	**0.06**	**0.49**	<0.02
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.18**	**0.20**	**0.31**	**2.25**	**0.13**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.04**	**0.03**	**0.04**	**0.38**	**0.02**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.08**	**0.07**	**0.10**	**0.76**	**0.03**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW048_240924	0908_SW055_240924	0908_SW059_240923	0908_SW060_240919	0908_SW062_240920
				Sampling date / time	24-Sep-2024 13:42	24-Sep-2024 11:35	23-Sep-2024 13:55	19-Sep-2024 17:10	20-Sep-2024 12:55
Compound	CAS Number	LOR	Unit		ES2431762-030	ES2431762-031	ES2431762-032	ES2431762-033	ES2431762-034
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.34**	**2.56**	**4.03**	**32.4**	**1.38**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**1.78**	**1.94**	**3.20**	**25.9**	**1.11**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**2.18**	**2.38**	**3.81**	**30.7**	**1.33**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**108**	**111**	**120**	**116**	**116**
13C8-PFOA	----	0.02	%		**109**	**101**	**110**	**117**	**103**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW079_240925	0908_SW081_240920	0908_SW108_240924	0908_SW110_240925	0908_SW582_240925
				Sampling date / time	25-Sep-2024 13:17	20-Sep-2024 09:03	24-Sep-2024 12:35	25-Sep-2024 11:20	25-Sep-2024 15:20
Compound	CAS Number	LOR	Unit		ES2431762-035	ES2431762-036	ES2431762-037	ES2431762-038	ES2431762-039
					Result	Result	Result	Result	Result
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.04**	<0.02	**0.04**	**0.04**	**0.04**
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.04**	<0.02	**0.05**	**0.06**	**0.05**
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.28**	<0.01	**0.96**	**0.95**	**0.79**
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		<0.02	<0.02	**0.06**	**0.06**	**0.09**
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.15**	**0.02**	**7.44**	**5.84**	**4.04**
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	<0.1	<0.1	<0.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		<0.02	<0.02	**0.12**	**0.12**	**0.04**
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.06**	<0.02	**0.33**	**0.30**	**0.13**
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	<0.02	**0.09**	**0.08**	**0.03**
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		<0.01	<0.01	**0.11**	**0.10**	**0.08**
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW079_240925	0908_SW081_240920	0908_SW108_240924	0908_SW110_240925	0908_SW582_240925
				Sampling date / time	25-Sep-2024 13:17	20-Sep-2024 09:03	24-Sep-2024 12:35	25-Sep-2024 11:20	25-Sep-2024 15:20
Compound	CAS Number	LOR	Unit		ES2431762-035	ES2431762-036	ES2431762-037	ES2431762-038	ES2431762-039
					Result	Result	Result	Result	Result
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	<0.02
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	**0.31**	**0.34**	<0.05
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	<0.05
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**0.57**	**0.02**	**9.57**	**7.92**	**5.32**
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**0.43**	**0.02**	**8.40**	**6.79**	**4.83**
Sum of PFAS (WA DER List)	----	0.01	µg/L		**0.53**	**0.02**	**9.40**	**7.77**	**5.15**
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**106**	**118**	**116**	**117**	**96.4**
13C8-PFOA	----	0.02	%		**102**	**116**	**107**	**101**	**101**

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW588_240925	0908_QC101_240919	0908_QC103_240923	0908_QC104_240923	----
				Sampling date / time	25-Sep-2024 14:50	19-Sep-2024 17:10	23-Sep-2024 13:55	23-Sep-2024 16:30	----
Compound	CAS Number	LOR	Unit		ES2431762-040	ES2431762-042	ES2431762-044	ES2431762-045	--------
					Result	Result	Result	Result	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		**0.02**	**0.79**	**0.13**	**0.03**	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.03**	**1.31**	**0.18**	**0.04**	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**0.41**	**9.12**	**1.56**	**0.61**	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**0.04**	**0.92**	**0.11**	**0.07**	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**1.81**	**17.8**	**1.51**	**1.46**	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	**0.3**	<0.1	<0.1	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.03**	**0.42**	**0.06**	**0.03**	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.07**	**2.16**	**0.29**	**0.10**	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		<0.02	**0.33**	**0.05**	<0.02	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**0.03**	**0.85**	**0.11**	**0.05**	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----

Analytical Results

Sub-Matrix: SURFACE WATER (Matrix: WATER)				Sample ID	0908_SW588_240925	0908_QC101_240919	0908_QC103_240923	0908_QC104_240923	----
				Sampling date / time	25-Sep-2024 14:50	19-Sep-2024 17:10	23-Sep-2024 13:55	23-Sep-2024 16:30	----
Compound	CAS Number	LOR	Unit		ES2431762-040	ES2431762-042	ES2431762-044	ES2431762-045	--------
					Result	Result	Result	Result	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	<0.02	<0.02	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	<0.05	<0.05	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**2.44**	**34.3**	**4.04**	**2.39**	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.22**	**26.9**	**3.07**	**2.07**	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**2.37**	**31.8**	**3.71**	**2.28**	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**99.9**	**97.0**	**90.2**	**101**	----
13C8-PFOA	----	0.02	%		**102**	**107**	**105**	**104**	----

Surrogate Control Limits

Sub-Matrix: **SEDIMENT**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **SURFACE WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2431762**	Page	: 1 of 19
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024
Order number	: 60569462_21.01	Date Analysis Commenced	: 30-Sep-2024
C-O-C number	: 72990	Issue Date	: 04-Oct-2024
Sampler	: [redacted]		
Site	: WLM_SW/SD		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 46		
No. of samples analysed	: 46		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Inorganics, Smithfield, NSW
[redacted]	Organic Chemist	Sydney Organics, Smithfield, NSW
[redacted]	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW
[redacted]	LCMS Coordinator	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6097696)									
ES2431096-012	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	13.3	11.8	12.0	0% - 50%
ES2431096-048	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	8.2	7.0	15.8	No Limit
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6097697)									
ES2431762-007	0908_SD014_240927	EA055: Moisture Content	----	0.1	%	31.1	28.8	7.5	0% - 20%
ES2431762-018	0908_SD108_240925	EA055: Moisture Content	----	0.1	%	35.5	31.6	11.6	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6088914)									
ES2431762-001	0908_SD001_240925	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0004	0.0008	69.8	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0005	0.0010	65.5	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0149	0.0171	14.0	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0028	0.0030	3.9	0% - 50%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002 (0.0010)*	mg/kg	0.133	0.157	16.9	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2431762-011	0908_SD048_240924	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0015	0.0012	22.4	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0040	0.0033	18.7	0% - 50%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6089901)									

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6089901) - continued									
ES2429725-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0018	0.0018	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
ES2429938-005	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0030	0.0030	0.0	0% - 50%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	0.0020	0.0019	5.2	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6088914)									
ES2431762-001	0908_SD001_240925	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	0.0002	0.0003	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0005	0.0010	68.9	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0004	0.0007	42.5	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	0.0005	0.0009	59.1	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2431762-011	0908_SD048_240924	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6089901)									
ES2429725-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6089901) - continued									
ES2429725-001	Anonymous	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	0.0003	0.0003	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
ES2429938-005	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	0.0002	0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088914)									
ES2431762-001	0908_SD001_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	0.0012	0.0014	20.6	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2431762-011	0908_SD048_240924	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6088914) - continued									
ES2431762-011	0908_SD048_240924	EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6089901)									
ES2429725-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2429938-005	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	0.0010	0.0010	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088914)									
ES2431762-001	0908_SD001_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6088914) - continued									
ES2431762-001	0908_SD001_240925	EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2431762-011	0908_SD048_240924	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6089901)									
ES2429725-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
ES2429938-005	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report					
				LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6089099)									
ES2431762-020	0908_SW001_240925	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.40	0.38	5.3	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	1.90	1.78	6.2	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.03	0.02	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6089099) - continued									
ES2431762-030	0908_SW048_240924	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.90	1.04	14.2	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	0.88	0.96	8.8	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.06	0.06	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.08	0.09	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.08	0.06	29.3	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6089100)									
ES2431762-039	0908_SW582_240925	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	0.79	0.72	9.0	0% - 20%
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	4.04	4.08	0.9	0% - 20%
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	0.05	0.05	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	0.09	0.08	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	<0.02	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6089099)									
ES2431762-020	0908_SW001_240925	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.03	0.03	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.02	0.02	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.08	0.08	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
ES2431762-030	0908_SW048_240924	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.08	0.10	15.3	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.04	<0.02	75.1	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.18	0.18	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6089100)									

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6089100) - continued									
ES2431762-039	0908_SW582_240925	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	0.08	0.08	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	0.04	0.04	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	0.13	0.13	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	0.03	0.03	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	<0.1	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6089099)									
ES2431762-020	0908_SW001_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431762-030	0908_SW048_240924	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6089100)									
ES2431762-039	0908_SW582_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6089100) - continued									
ES2431762-039	0908_SW582_240925	EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	<0.02	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6089099)									
ES2431762-020	0908_SW001_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
ES2431762-030	0908_SW048_240924	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6089100)									
ES2431762-039	0908_SW582_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6089099)									
ES2431762-020	0908_SW001_240925	EP231X: Sum of PFAS	----	0.01	µg/L	2.46	2.31	6.3	0% - 20%

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231P: PFAS Sums (QC Lot: 6089099) - continued									
ES2431762-030	0908_SW048_240924	EP231X: Sum of PFAS	----	0.01	µg/L	2.34	2.53	7.8	0% - 20%
EP231P: PFAS Sums (QC Lot: 6089100)									
ES2431762-039	0908_SW582_240925	EP231X: Sum of PFAS	----	0.01	µg/L	5.32	5.27	0.9	0% - 20%

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088914)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	80.0	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	86.4	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	83.0	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	86.6	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.0	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.4	59.0	134
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6089901)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	94.7	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.8	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	95.7	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088914)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	94.2	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.2	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	82.9	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	75.7	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	94.6	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.6	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	92.6	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	84.7	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.5	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	83.8	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.3	69.0	133
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089901)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	105	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	94.0	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	104	71.0	131

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089901) - continued								
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	100	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	100.0	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.8	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	108	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	106	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088914)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.8	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	115	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	101	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	85.4	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	99.2	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	90.7	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.5	61.0	139
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089901)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	110	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	102	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	111	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	110	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	106	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.9	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088914)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	75.5	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	136	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	117	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	96.3	69.2	143

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6089901)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	114	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	101	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	111	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	104	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6089099)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	90.0	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	111	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	102	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	107	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	94.7	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	90.5	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6089100)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	83.3	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	104	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	89.0	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	97.5	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	88.4	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	80.6	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089099)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	113	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	83.0	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	96.4	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	85.2	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	88.6	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	105	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	90.6	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	99.5	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	89.0	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	84.5	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	116	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089100)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report	Laboratory Control Spike (LCS) Report		
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
				Result	Concentration	LCS	Low	High
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089100) - continued								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	97.2	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	95.2	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	89.1	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	94.5	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	93.4	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	93.3	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	95.4	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	101	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	108	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	108	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	106	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089099)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	91.0	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	88.4	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	87.2	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	82.8	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	98.3	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	116	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	79.4	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089100)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	89.3	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	87.7	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	81.0	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	93.2	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	102	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	94.4	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	88.4	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6089099)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6089099) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	81.1	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	88.9	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	110	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	79.7	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6089100)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	97.1	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	101	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	97.6	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	87.2	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6088914)							
ES2431762-001	0908_SD001_240925	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	88.9	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	96.3	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	87.7	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	98.9	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	97.5	59.0	134
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6089901)							
ES2429725-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	97.5	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	106	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	84.4	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	107	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	86.5	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	111	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088914)							
ES2431762-001	0908_SD001_240925	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	100	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	115	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	89.1	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	89.9	71.0	131

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6088914) - continued							
ES2431762-001	0908_SD001_240925	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	104	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	81.7	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	114	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	127	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	95.9	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	120	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	117	69.0	133
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089901)							
ES2429725-001	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	106	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	104	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	104	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	102	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	101	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	103	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	98.2	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	106	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	110	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	99.0	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	106	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6088914)							
ES2431762-001	0908_SD001_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	114	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	118	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	79.0	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	94.0	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	106	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	81.6	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	115	61.0	139
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089901)							
ES2429725-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	105	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	103	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	108	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	106	68.7	130

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Matrix Spike (MS) Report: Acceptable Limits (%) Low	Matrix Spike (MS) Report: Acceptable Limits (%) High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089901) - continued							
ES2429725-001	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	104	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	106	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	109	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6088914)							
ES2431762-001	0908_SD001_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	77.4	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	118	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	92.7	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	95.6	69.2	143
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6089901)							
ES2429725-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	113	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	108	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	110	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	112	69.2	143

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	Matrix Spike (MS) Report: SpikeRecovery(%) MS	Matrix Spike (MS) Report: Acceptable Limits (%) Low	Matrix Spike (MS) Report: Acceptable Limits (%) High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6089099)							
ES2431762-021	0908_SW005_240927	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	82.3	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	86.7	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	81.1	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	104	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	99.8	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	87.0	53.0	142
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6089100)							
ES2431762-040	0908_SW588_240925	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	89.9	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	105	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	84.9	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	111	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	# Not Determined	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	85.6	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089099)							
ES2431762-021	0908_SW005_240927	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	104	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	89.2	72.0	129

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089099) - continued							
ES2431762-021	0908_SW005_240927	EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	101	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	95.1	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	90.3	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	112	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	93.6	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	96.8	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	98.6	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	96.8	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	115	71.0	132
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6089100)							
ES2431762-040	0908_SW588_240925	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	99.2	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	95.7	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	100	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	97.0	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	89.8	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	97.0	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	95.5	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	99.0	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	107	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	100	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	116	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089099)							
ES2431762-021	0908_SW005_240927	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	94.9	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	88.9	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	96.5	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	96.4	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	97.7	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	111	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	88.0	61.0	135
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089100)							
ES2431762-040	0908_SW588_240925	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	82.4	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	101	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	108	62.6	147

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6089100) - continued							
ES2431762-040	0908_SW588_240925	EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	93.5	66.0	145
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	104	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	98.7	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	84.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6089099)							
ES2431762-021	0908_SW005_240927	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	73.9	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	85.9	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	107	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	78.1	71.4	144
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6089100)							
ES2431762-040	0908_SW588_240925	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	104	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	97.8	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	110	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	88.5	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2431762**	Page	: 1 of 12
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024
Site	: WLM_SW/SD	Issue Date	: 04-Oct-2024
Sampler	: [redacted], [redacted]	No. of samples received	: 46
Order number	: 60569462_21.01	No. of samples analysed	: 46

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2431762--001	0908_SD001_240925	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Matrix: **WATER**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2431762--040	0908_SW588_240925	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C)								
HDPE Soil Jar (EA055)								
0908_SD060_240919,	0908_QC100_240919	**19-Sep-2024**	**----**	----	----	**03-Oct-2024**	03-Oct-2024	✓
HDPE Soil Jar (EA055)								
0908_SD062_240920,	0908_SD081_240920	**20-Sep-2024**	**----**	----	----	**03-Oct-2024**	04-Oct-2024	✓
HDPE Soil Jar (EA055)								
0908_SD009_240923, 0908_QC102_240923,	0908_SD059_240923, 0908_QC105_240923	**23-Sep-2024**	**----**	----	----	**03-Oct-2024**	07-Oct-2024	✓
HDPE Soil Jar (EA055)								
0908_SD047_240924, 0908_SD055_240924	0908_SD048_240924,	**24-Sep-2024**	**----**	----	----	**03-Oct-2024**	08-Oct-2024	✓
HDPE Soil Jar (EA055)								
0908_SD001_240925, 0908_SD007_240925, 0908_SD108_240925,	0908_SD006_240925, 0908_SD079_240925, 0908_SD110_240925	**25-Sep-2024**	**----**	----	----	**03-Oct-2024**	09-Oct-2024	✓
HDPE Soil Jar (EA055)								
0908_SD011_240926		**26-Sep-2024**	**----**	----	----	**03-Oct-2024**	10-Oct-2024	✓
HDPE Soil Jar (EA055)								

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA055: Moisture Content (Dried @ 105-110°C) - Continued							
0908_SD005_240927, 0908_SD014_240927, 0908_SD023_240927, 0908_SD024_240927	**27-Sep-2024**	**----**	----	----	**03-Oct-2024**	11-Oct-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD060_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC100_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD062_240920, 0908_SD081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240923, 0908_SD059_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC102_240923, 0908_QC105_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240924, 0908_SD048_240924, 0908_SD055_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240925, 0908_SD006_240925, 0908_SD007_240925, 0908_SD079_240925, 0908_SD108_240925, 0908_SD110_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD005_240927, 0908_SD014_240927, 0908_SD023_240927, 0908_SD024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) 0908_SD060_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC100_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD062_240920, 0908_SD081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240923, 0908_SD059_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC102_240923, 0908_QC105_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240924, 0908_SD048_240924, 0908_SD055_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240925, 0908_SD006_240925, 0908_SD007_240925, 0908_SD079_240925, 0908_SD108_240925, 0908_SD110_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD005_240927, 0908_SD014_240927, 0908_SD023_240927, 0908_SD024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) 0908_SD060_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC100_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD062_240920, 0908_SD081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240923, 0908_SD059_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC102_240923, 0908_QC105_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240924, 0908_SD048_240924, 0908_SD055_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240925, 0908_SD006_240925, 0908_SD007_240925, 0908_SD079_240925, 0908_SD108_240925, 0908_SD110_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD005_240927, 0908_SD014_240927, 0908_SD023_240927, 0908_SD024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) 0908_SD060_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC100_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD062_240920, 0908_SD081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240923, 0908_SD059_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC102_240923, 0908_QC105_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240924, 0908_SD048_240924, 0908_SD055_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240925, 0908_SD006_240925, 0908_SD007_240925, 0908_SD079_240925, 0908_SD108_240925, 0908_SD110_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD005_240927, 0908_SD014_240927, 0908_SD023_240927, 0908_SD024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) 0908_SD060_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC100_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD062_240920, 0908_SD081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD009_240923, 0908_SD059_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_QC102_240923, 0908_QC105_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**04-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD047_240924, 0908_SD048_240924, 0908_SD055_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD001_240925, 0908_SD006_240925, 0908_SD007_240925, 0908_SD079_240925, 0908_SD108_240925, 0908_SD110_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓
HDPE Soil Jar (EP231X) 0908_SD005_240927, 0908_SD014_240927, 0908_SD023_240927, 0908_SD024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	10-Nov-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)		Sample Date	Extraction / Preparation			Analysis		
			Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids								
HDPE (no PTFE) (EP231X)								
0908_SW060_240919,	0908_QC101_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X)								
0908_SW062_240920,	0908_SW081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X)								
0908_SW009_240923,	0908_SW059_240923,	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
0908_QC103_240923,	0908_QC104_240923							
HDPE (no PTFE) (EP231X)								
0908_SW047_240924,	0908_SW048_240924,	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
0908_SW055_240924,	0908_SW108_240924							
HDPE (no PTFE) (EP231X)								
0908_SW001_240925,	0908_SW006_240925,	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
0908_SW007_240925,	0908_SW079_240925,							
0908_SW110_240925,	0908_SW582_240925,							
0908_SW588_240925								
HDPE (no PTFE) (EP231X)								
0908_SW011_240926		**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
HDPE (no PTFE) (EP231X)								
0908_SW005_240927,	0908_SW014_240927,	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓
0908_SW023_240927,	0908_SW024_240927							
EP231B: Perfluoroalkyl Carboxylic Acids								
HDPE (no PTFE) (EP231X)								
0908_SW060_240919,	0908_QC101_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X)								
0908_SW062_240920,	0908_SW081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X)								
0908_SW009_240923,	0908_SW059_240923,	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
0908_QC103_240923,	0908_QC104_240923							
HDPE (no PTFE) (EP231X)								
0908_SW047_240924,	0908_SW048_240924,	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
0908_SW055_240924,	0908_SW108_240924							
HDPE (no PTFE) (EP231X)								
0908_SW001_240925,	0908_SW006_240925,	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
0908_SW007_240925,	0908_SW079_240925,							
0908_SW110_240925,	0908_SW582_240925,							
0908_SW588_240925								
HDPE (no PTFE) (EP231X)								
0908_SW011_240926		**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
HDPE (no PTFE) (EP231X)								
0908_SW005_240927,	0908_SW014_240927,	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓
0908_SW023_240927,	0908_SW024_240927							

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_SW060_240919, 0908_QC101_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW062_240920, 0908_SW081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240923, 0908_SW059_240923, 0908_QC103_240923, 0908_QC104_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240924, 0908_SW048_240924, 0908_SW055_240924, 0908_SW108_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240925, 0908_SW006_240925, 0908_SW007_240925, 0908_SW079_240925, 0908_SW110_240925, 0908_SW582_240925, 0908_SW588_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240927, 0908_SW014_240927, 0908_SW023_240927, 0908_SW024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_SW060_240919, 0908_QC101_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW062_240920, 0908_SW081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240923, 0908_SW059_240923, 0908_QC103_240923, 0908_QC104_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240924, 0908_SW048_240924, 0908_SW055_240924, 0908_SW108_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240925, 0908_SW006_240925, 0908_SW007_240925, 0908_SW079_240925, 0908_SW110_240925, 0908_SW582_240925, 0908_SW588_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240927, 0908_SW014_240927, 0908_SW023_240927, 0908_SW024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_SW060_240919, 0908_QC101_240919	**19-Sep-2024**	**01-Oct-2024**	18-Mar-2025	✓	**02-Oct-2024**	18-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW062_240920, 0908_SW081_240920	**20-Sep-2024**	**01-Oct-2024**	19-Mar-2025	✓	**02-Oct-2024**	19-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW009_240923, 0908_SW059_240923, 0908_QC103_240923, 0908_QC104_240923	**23-Sep-2024**	**01-Oct-2024**	22-Mar-2025	✓	**02-Oct-2024**	22-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW047_240924, 0908_SW048_240924, 0908_SW055_240924, 0908_SW108_240924	**24-Sep-2024**	**01-Oct-2024**	23-Mar-2025	✓	**02-Oct-2024**	23-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW001_240925, 0908_SW006_240925, 0908_SW007_240925, 0908_SW079_240925, 0908_SW110_240925, 0908_SW582_240925, 0908_SW588_240925	**25-Sep-2024**	**01-Oct-2024**	24-Mar-2025	✓	**02-Oct-2024**	24-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW011_240926	**26-Sep-2024**	**01-Oct-2024**	25-Mar-2025	✓	**02-Oct-2024**	25-Mar-2025	✓
HDPE (no PTFE) (EP231X) 0908_SW005_240927, 0908_SW014_240927, 0908_SW023_240927, 0908_SW024_240927	**27-Sep-2024**	**01-Oct-2024**	26-Mar-2025	✓	**02-Oct-2024**	26-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	4	40	**10.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	4	39	**10.26**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	39	**5.13**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	39	**5.13**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	39	**5.13**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	3	26	**11.54**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	26	**7.69**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	26	**7.69**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	26	**7.69**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2431762**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 4
Order number	: 60569462_21.01	Quote number	: ES2021AECOMAU0030 (SY/139/19 v5 60612562_8.1)
C-O-C number	: 72990	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: WLM_SW/SD		
Sampler	: [redacted]		

Dates

Date Samples Received	: 27-Sep-2024 15:00	Issue Date	: 04-Oct-2024
Client Requested Due Date	: 04-Oct-2024	Scheduled Reporting Date	: **04-Oct-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: ----	Temperature	: 0.1'C - Ice present
Receipt Detail	:	No. of samples received / analysed	: 46 / 46

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- **04/10/2024: This is an updated SRN reflecting a change to the sample ID for samples ES2431762-015, 017, 034 and 036.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2431762-001	25-Sep-2024 08:05	0908_SD001_240925	✓	✓
ES2431762-002	27-Sep-2024 10:25	0908_SD005_240927	✓	✓
ES2431762-003	25-Sep-2024 08:30	0908_SD006_240925	✓	✓
ES2431762-004	25-Sep-2024 08:15	0908_SD007_240925	✓	✓
ES2431762-005	23-Sep-2024 16:20	0908_SD009_240923	✓	✓
ES2431762-006	26-Sep-2024 12:00	0908_SD011_240926	✓	✓
ES2431762-007	27-Sep-2024 08:55	0908_SD014_240927	✓	✓
ES2431762-008	27-Sep-2024 11:15	0908_SD023_240927	✓	✓
ES2431762-009	27-Sep-2024 10:55	0908_SD024_240927	✓	✓
ES2431762-010	24-Sep-2024 12:40	0908_SD047_240924	✓	✓
ES2431762-011	24-Sep-2024 13:35	0908_SD048_240924	✓	✓
ES2431762-012	24-Sep-2024 11:40	0908_SD055_240924	✓	✓
ES2431762-013	23-Sep-2024 13:50	0908_SD059_240923	✓	✓
ES2431762-014	19-Sep-2024 16:55	0908_SD060_240919	✓	✓
ES2431762-015	20-Sep-2024 12:55	0908_SD062_240920	✓	✓
ES2431762-016	25-Sep-2024 13:15	0908_SD079_240925	✓	✓
ES2431762-017	20-Sep-2024 09:15	0908_SD081_240920	✓	✓
ES2431762-018	25-Sep-2024 11:35	0908_SD108_240925	✓	✓
ES2431762-019	25-Sep-2024 11:25	0908_SD110_240925	✓	✓
ES2431762-041	19-Sep-2024 16:55	0908_QC100_240919	✓	✓
ES2431762-043	23-Sep-2024 13:50	0908_QC102_240923	✓	✓
ES2431762-046	23-Sep-2024 16:20	0908_QC105_240923	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2431762-020	25-Sep-2024 08:05	0908_SW001_240925	✓
ES2431762-021	27-Sep-2024 10:25	0908_SW005_240927	✓
ES2431762-022	25-Sep-2024 08:30	0908_SW006_240925	✓
ES2431762-023	25-Sep-2024 08:15	0908_SW007_240925	✓
ES2431762-024	23-Sep-2024 16:30	0908_SW009_240923	✓
ES2431762-025	26-Sep-2024 12:00	0908_SW011_240926	✓
ES2431762-026	27-Sep-2024 08:55	0908_SW014_240927	✓
ES2431762-027	27-Sep-2024 11:15	0908_SW023_240927	✓
ES2431762-028	27-Sep-2024 10:55	0908_SW024_240927	✓
ES2431762-029	24-Sep-2024 12:50	0908_SW047_240924	✓
ES2431762-030	24-Sep-2024 13:42	0908_SW048_240924	✓
ES2431762-031	24-Sep-2024 11:35	0908_SW055_240924	✓
ES2431762-032	23-Sep-2024 13:55	0908_SW059_240923	✓
ES2431762-033	19-Sep-2024 17:10	0908_SW060_240919	✓
ES2431762-034	20-Sep-2024 12:55	0908_SW062_240920	✓
ES2431762-035	25-Sep-2024 13:17	0908_SW079_240925	✓
ES2431762-036	20-Sep-2024 09:03	0908_SW081_240920	✓
ES2431762-037	24-Sep-2024 12:35	0908_SW108_240924	✓
ES2431762-038	25-Sep-2024 11:20	0908_SW110_240925	✓
ES2431762-039	25-Sep-2024 15:20	0908_SW582_240925	✓
ES2431762-040	25-Sep-2024 14:50	0908_SW588_240925	✓
ES2431762-042	19-Sep-2024 17:10	0908_QC101_240919	✓
ES2431762-044	23-Sep-2024 13:55	0908_QC103_240923	✓
ES2431762-045	23-Sep-2024 16:30	0908_QC104_240923	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

ALSCompass SAMPLING Intelligence

Environmental Division
Sydney
Work Order Reference
ES2431762

Telephone : +61-2-8784 8555

Custody Document for Submissions via ALS Compass App

Project: 60569462 **Client:** AECOM **Project Manager:** [redacted]
Phone:

ALS Compass COC Reference: 72990 **# Samples:** 46 **Sampler:**
Phone:

Turnaround Requirements: Standard ____ Urgent ____

Special Instructions:	ALS Use Only 0.1			
	Custody seal intact?	YES	NO	N/A
	Free ice / frozen ice bricks upon receipt?	YES	NO	N/A
	Random sample temperature on receipt?		°C	

Custody:

Relinquished by:	**Received by:**	**Relinquished by:**	**Received by:**
[redacted]			
Date / Time: 27/09/24	**Date / Time:** 27/9 3pm	**Date / Time:** 27/9/24 LAB COURIER NEWCASTLE	**Date / Time:** 27/9 19:20

EMAILED

CHAIN OF CUSTODY

COC#: 72990 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SW/SD

ORDER NO: 60569462_21.01

PROJECT MANAGER [redacted]
PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QJOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
001	0908_SD001_240925		25/09/2024 08:05 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
002	0905_SD005_240927		27/09/2024 10:25 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
003	0908_SD006_240925		25/09/2024 08:30 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
004	0908_SD007_240925		25/09/2024 08:15 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
005	0908_SD009_240923		23/09/2024 04:20 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
006	0908_SD011_240926		26/09/2024 12:00 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
007	0908_SD014_240927		27/09/2024 08:55 AM	SOIL	ALS: 1 Non ALS: 0	No	X			

CHAIN OF CUSTODY

COC#: 72990 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SW/SD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
008	0908_SD023_240927		27/09/2024 11:15 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
009	0908_SD023_240927		27/09/2024 10:55 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
010	0908_SD047_240924		24/09/2024 12:40 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
011	0908_SD048_240924		24/09/2024 01:35 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
012	0908_SD055_240924		24/09/2024 11:40 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
013	0908_SD059_240923		23/09/2024 01:50 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
014	0908_SD060_240919		19/09/2024 04:55 PM	SOIL	ALS: 1 Non ALS: 0	No	X			

CHAIN OF CUSTODY

COC#: 72990 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SWSD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
015	0908_SD062_240919		20/09/2024 12:55 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
016	0908_SD079_240925		25/09/2024 01:15 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
017	0908_SD081_240919		20/09/2024 09:15 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
018	0908_SD108_240925		25/09/2024 11:35 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
019	0908_SD110_240925		25/09/2024 11:25 AM	SOIL	ALS: 1 Non ALS: 0	No	X			
020	0908_SW001_240925		25/09/2024 08:05 AM	WATER	ALS: 4 Non ALS: 0	No		X		
021	0908_SW005_240927		27/09/2024 10:25 AM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

COC#: 72990 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SW/SD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
022	0908_SW006_240925		25/09/2024 09:30 AM	WATER	ALS: 4 Non ALS: 0	No		X		
023	0908_SW007_240925		25/09/2024 08:15 AM	WATER	ALS: 4 Non ALS: 0	No		X		
024	0908_SW009_240923		23/09/2024 04:30 PM	WATER	ALS: 4 Non ALS: 0	No		X		
025	0908_SW011_240926		26/09/2024 12:00 PM	WATER	ALS: 4 Non ALS: 0	No		X		
026	0908_SW014_240927		27/09/2024 03:55 AM	WATER	ALS: 4 Non ALS: 0	No		X		
027	0908_SW023_240927		27/09/2024 11:15 AM	WATER	ALS: 4 Non ALS: 0	No		X		
028	0908_SW024_240927		27/09/2024 10:50 AM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

COC#: 72990 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0903_PFASOMP_24

SITE: WLM_SWSO

ORDER NO: 60569462 21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
029	0908_SW047_240924		24/09/2024 12:50 PM	WATER	ALS: 4 Non ALS: 0	No		X		
030	0908_SW048_240924		24/09/2024 01:42 PM	WATER	ALS: 4 Non ALS: 0	No		X		
031	0908_SW055_240924		24/09/2024 11:36 AM	WATER	ALS: 4 Non ALS: 0	No		X		
032	0908_SW059_240923		23/09/2024 01:55 PM	WATER	ALS: 4 Non ALS: 0	No		X		
033	0908_SW060_240919		19/09/2024 05:10 PM	WATER	ALS: 4 Non ALS: 0	No		X		
034	0908_SW062_240919		20/09/2024 12:55 PM	WATER	ALS: 4 Non ALS: 0	No		X		
035	0903_SW079_240925		25/09/2024 01:47 PM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

COC#: 72990 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SW/SD

ORDER NO: 60589462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
036	0908_SW081_240919		20/09/2024 09:03 AM	WATER	ALS: 4 Non ALS: 0	No		X		
037	0908_SW103_240924		24/09/2024 12:35 PM	WATER	ALS: 4 Non ALS: 0	No		X		
038	0908_SW110_240925		25/09/2024 11:20 AM	WATER	ALS: 4 Non ALS: 0	No		X		
039	0908_SW582_240925		25/09/2024 03:20 PM	WATER	ALS: 4 Non ALS: 0	No		X		
040	0908_SW588_240925		25/09/2024 02:50 PM	WATER	ALS: 4 Non ALS: 0	No		X		
041	0908_QC100_240919		19/09/2024 04:55 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
042	0908_QC101_240919		19/09/2024 05:10 PM	WATER	ALS: 4 Non ALS: 0	No		X		

CHAIN OF CUSTODY

COC#: 72990 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM SW/SD

ORDER NO: 60569462_21.0

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal Intact?	Yes	No	N/A
Free ice / frozen ice bricks present upon receipt?	Yes	No	N/A
Random Sample Temperature on Receipt:		°C	
Other comments:			

SAMPLE DETAILS							ANALYSIS REQUIRED			
SAMPLE	NAME	DESCRIPTION	DATE / TIME	MATRIX	TOTAL BOTTLES	ON HOLD	PFAS Soil - New Analysis SOIL	PFAS Waters - New Analysis WATER	ALTERNATIVE ANALYSIS	ADDITIONAL INFORMATION
043	0908_QC102_240923		23/09/2024 01:50 PM	SOIL	ALS: 1 Non ALS: 0	No	X			
044	0908_QC103_240923		23/09/2024 01:55 PM	WATER	ALS: 4 Non ALS: 0	No		X		
045	0908_QC104_240923		23/09/2024 04:30 PM	WATER	ALS: 4 Non ALS: 0	No		X		
046	0908_QC105_240923		23/09/2024 04:20 PM	SOIL	ALS: 1 Non ALS: 0	No	X			

CHAIN OF CUSTODY

COC#: T2990 AIS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SWSD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

SAMPLE	SAMPLE NAME	BOTTLE NAME	VOLUME	BARCODE	TYPE	FILTERED	REASON
001	0908_SD001_240925	HDPE Soil Jar	200 mL	00621222074257	Grey	No	
002	0908_SD005_240927	HDPE Soil Jar	200 mL	00620322095145	Grey	No	
003	0908_SD006_240925	HDPE Soil Jar	200 mL	00621222013610	Grey	No	
004	0908_SD007_240925	HDPE Soil Jar	200 mL	00621222074276	Grey	No	
005	0908_SD009_240923	HDPE Soil Jar	200 mL	00621222013604	Grey	No	
006	0908_SD011_240926	HDPE Soil Jar	200 mL	00620322095056	Grey	No	
007	0908_SD014_240927	HDPE Soil Jar	200 mL	00620322095118	Grey	No	
008	0908_SD020_240927	HDPE Soil Jar	200 mL	00621222032372	Grey	No	
009	0908_SD024_240927	HDPE Soil Jar	200 mL	00620322095031	Grey	No	
010	0908_SD047_240924	HDPE Soil Jar	200 mL	00621222013572	Grey	No	
011	0908_SD045_240924	HDPE Soil Jar	200 mL	00620322095092	Grey	No	
012	0908_SD055_240924	HDPE Soil Jar	200 mL	00621222032436	Grey	No	
013	0908_SD059_240923	HDPE Soil Jar	200 mL	00621222013602	Grey	No	
014	0908_SD060_240919	HDPE Soil Jar	200 mL	00621222013562	Grey	No	
015	0908_SD062_240919	HDPE Soil Jar	200 mL	00621222032416	Grey	No	
016	0908_SD070_240925	HDPE Soil Jar	200 mL	00621222013612	Grey	No	
017	0908_SD067_240919	HDPE Soil Jar	200 mL	00621222032423	Grey	No	
018	0908_SD108_240925	HDPE Soil Jar	200 mL	00621222013516	Grey	No	
019	0908_SD110_240925	HDPE Soil Jar	200 mL	00621222074273	Grey	No	
020	0908_SW001_240925	HDPE (no PTFE)	20 mL	00352309038827	Grey	No	
020	0908_SW001_240925	HDPE (no PTFE)	20 mL	00352309038859	Grey	No	
020	0908_SW001_240925	HDPE (no PTFE)	20 mL	00352309026445	Grey	No	
020	0908_SW001_240925	HDPE (no PTFE)	20 mL	00352309026057	Grey	No	
021	0908_SW005_240927	HDPE (no PTFE)	20 mL	00350822025826	Grey	No	
021	0908_SW005_240927	HDPE (no PTFE)	20 mL	00350822025620	Grey	No	
021	0908_SW005_240927	HDPE (no PTFE)	20 mL	00350822023017	Grey	No	

CHAIN OF CUSTODY

COC#: 72980 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SW/SD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNARCUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Froc ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

021	0908_SW005_240927	HDPE (no PTFE)	20 ml	00350822025583	Grey	No	
022	0908_SW006_240925	HDPE (no PTFE)	20 mL	00352309026375	Grey	No	
022	0908_SW006_240925	HDPE (no PTFE)	20 mL	00352309036783	Grey	No	
022	0908_SW006_240925	HDPE (no PTFE)	20 mL	00352309038716	Grey	No	
022	0908_SW006_240925	HDPE (no PTFE)	20 mL	00352309038910	Grey	No	
023	0908_SW007_240925	HDPE (no PTFE)	20 mL	00352309038873	Grey	No	
023	0908_SW007_240925	HDPE (no PTFE)	20 mL	00352309038891	Grey	No	
023	0908_SW007_240925	HDPE (no PTFE)	20 mL	00352309038756	Grey	No	
023	0908_SW007_240925	HDPE (no PTFE)	20 mL	00352309038712	Grey	No	
024	0908_SW009_240923	HDPE (no PTFE)	20 mL	00352309038761	Grey	No	
024	0908_SW009_240923	HDPE (no PTFE)	20 mL	00352309038857	Grey	No	
024	0908_SW009_240923	HDPE (no PTFE)	20 mL	00352309039052	Grey	No	
024	0908_SW009_240923	HDPE (no PTFE)	20 mL	00352309039020	Grey	No	
025	0908_SW011_240926	HDPE (no PTFE)	20 mL	00350822025702	Grey	No	
025	0908_SW011_240926	HDPE (no PTFE)	20 mL	00350822025607	Grey	No	
025	0908_SW011_240926	HDPE (no PTFE)	20 ml	00350822025638	Grey	No	
025	0908_SW011_240926	HDPE (no PTFE)	20 mL	00350822025606	Grey	No	
026	0908_SW014_240927	HDPE (no PTFE)	20 mL	00350822025644	Grey	No	
026	0908_SW014_240927	HDPE (no PTFE)	20 ml	00350822026117	Grey	No	
026	0908_SW014_240927	HDPE (no PTFE)	20 mL	00350822026049	Grey	No	
026	0908_SW014_240927	HDPE (no PTFE)	20 mL	00350822025699	Grey	No	
027	0908_SW023_240927	HDPE (no PTFE)	20 mL	00350822025690	Grey	No	
027	0908_SW023_240927	HDPE (no PTFE)	20 ml	00352309038706	Grey	No	
027	0908_SW023_240927	HDPE (no PTFE)	20 mL	00350822026121	Grey	No	
027	0908_SW023_240927	HDPE (no PTFE)	20 mL	00352309038954	Grey	No	
028	0908_SW024_240927	HDPE (no PTFE)	20 mL	00350822025565	Grey	No	
028	0908_SW024_240927	HDPE (no PTFE)	20 ml	00350822026039	Grey	No	

CHAIN OF CUSTODY

COC#: 72990 ALS Laboratory: ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SW/SD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

028	0908_SW024_240927	HDPE (no PTFE)	20 mL	00350822025668	Grey	No	
028	0908_SW024_240927	HDPE (no PTFE)	20 mL	00350822025751	Grey	No	
029	0908_SW047_240924	HDPE (no PTFE)	20 mL	00352309038897	Grey	No	
029	0908_SW047_240924	HDPE (no PTFE)	20 mL	00352309026446	Grey	No	
029	0908_SW047_240924	HDPE (no PTFE)	20 mL	00352309038689	Grey	No	
029	0908_SW047_240924	HDPE (no PTFE)	20 mL	00352309026337	Grey	No	
030	0908_SW048_240924	HDPE (no PTFE)	20 mL	00352309038835	Grey	No	
030	0908_SW048_240924	HDPE (no PTFE)	20 mL	00352309026488	Grey	No	
030	0908_SW048_240924	HDPE (no PTFE)	20 mL	00352309038675	Grey	No	
030	0908_SW048_240924	HDPE (no PTFE)	20 mL	00352309038958	Grey	No	
031	0908_SW055_240924	HDPE (no PTFE)	20 mL	00352309026487	Grey	No	
031	0908_SW055_240924	HDPE (no PTFE)	20 mL	00352309026749	Grey	No	
031	0908_SW055_240924	HDPE (no PTFE)	20 mL	00352309039017	Grey	No	
031	0908_SW055_240924	HDPE (no PTFE)	20 mL	00352309026363	Grey	No	
032	0908_SW059_240923	HDPE (no PTFE)	20 mL	00352309026443	Grey	No	
032	0908_SW059_240923	HDPE (no PTFE)	20 mL	00352309026390	Grey	No	
032	0908_SW059_240923	HDPE (no PTFE)	20 mL	00352309039076	Grey	No	
032	0908_SW059_240923	HDPE (no PTFE)	20 mL	00352309039026	Grey	No	
033	0908_SW060_240919	HDPE (no PTFE)	20 mL	00352309039087	Grey	No	
033	0908_SW060_240919	HDPE (no PTFE)	20 mL	00352309038700	Grey	No	
033	0908_SW060_240919	HDPE (no PTFE)	20 mL	00352309038926	Grey	No	
033	0908_SW060_240919	HDPE (no PTFE)	20 mL	00352309038763	Grey	No	
034	0908_SW062_240919	HDPE (no PTFE)	20 mL	00352309038901	Grey	No	
034	0908_SW062_240919	HDPE (no PTFE)	20 mL	00352309038999	Grey	No	
034	0908_SW062_240919	HDPE (no PTFE)	20 mL	00352309039005	Grey	No	
034	0908_SW062_240919	HDPE (no PTFE)	20 mL	00352309038921	Grey	No	
035	0908_SW079_240925	HDPE (no PTFE)	20 mL	00352309026447	Grey	No	

CHAIN OF CUSTODY

COC#: 72990 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SW/SD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER: [redacted]

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU003 0

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS: 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free Ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: °C

Other comments:

035	0908_SW079_240925	HDPE (no PTFE)	20 mL	00352309010973	Grey	No	
035	0908_SW079_240925	HDPE (no PTFE)	20 mL	00352309038669	Grey	No	
035	0908_SW079_240925	HDPE (no PTFE)	20 mL	00352309010940	Grey	No	
036	0908_SW081_240919	HDPE (no PTFE)	20 mL	00352309038664	Grey	No	
036	0908_SW081_240919	HDPE (no PTFE)	20 mL	00352309038708	Grey	No	
036	0908_SW081_240919	HDPE (no PTFE)	20 mL	00352309038673	Grey	No	
036	0908_SW081_240919	HDPE (no PTFE)	20 mL	00352309038698	Grey	No	
037	0908_SW105_240924	HDPE (no PTFE)	20 mL	00352309039096	Grey	No	
037	0908_SW105_240924	HDPE (no PTFE)	20 mL	00352309038785	Grey	No	
037	0908_SW105_240924	HDPE (no PTFE)	20 mL	00352309026347	Grey	No	
037	0908_SW105_240924	HDPE (no PTFE)	20 mL	00352309026390	Grey	No	
038	0908_SW110_240925	HDPE (no PTFE)	20 mL	00352309038661	Grey	No	
038	0908_SW110_240925	HDPE (no PTFE)	20 mL	00352309038899	Grey	No	
038	0908_SW110_240925	HDPE (no PTFE)	20 mL	00352309038778	Grey	No	
038	0908_SW110_240925	HDPE (no PTFE)	20 mL	00352309038810	Grey	No	
039	0908_SW582_240925	HDPE (no PTFE)	20 mL	00352309038069	Grey	No	
039	0908_SW582_240925	HDPE (no PTFE)	20 mL	00352309038769	Grey	No	
039	0908_SW582_240925	HDPE (no PTFE)	20 mL	00352309038751	Grey	No	
039	0908_SW582_240925	HDPE (no PTFE)	20 mL	00352309026362	Grey	No	
040	0908_SW588_240925	HDPE (no PTFE)	20 mL	00352309038688	Grey	No	
040	0908_SW588_240925	HDPE (no PTFE)	20 mL	00350522049940	Grey	No	
040	0908_SW588_240925	HDPE (no PTFE)	20 mL	00350522049907	Grey	No	
040	0908_SW588_240925	HDPE (no PTFE)	20 mL	00352309039719	Grey	No	
041	0908_QC100_240919	HDPE Soil Jar	200 mL	00621222032404	Grey	No	
042	0908_QC101_240919	HDPE (no PTFE)	20 mL	00352309026332	Grey	No	
042	0908_QC101_240919	HDPE (no PTFE)	20 mL	00352309038800	Grey	No	
042	0908_QC101_240919	HDPE (no PTFE)	20 mL	00352309038702	Grey	No	

CHAIN OF CUSTODY

COC#: 72990 *ALS Laboratory:* ES Sydney Environmental

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
DATE TIME:	DATE TIME:	DATE TIME:	DATE TIME:

CLIENT: AECOMAU - AECOM Australia Pty Ltd

PROJECT: NSW_0908_PFASOMP_24

SITE: WLM_SWSD

ORDER NO: 60569462_21.01

PROJECT MANAGER: [redacted]

PRIMARY SAMPLER:

CONTACT PH: SAMPLER MOBILE:

QUOTE NO: SY/139/19 v4 60612562_8.1 / ES2021AECOMAU0030

EMAIL REPORTS TO:

EMAIL INVOICES TO:

TURNAROUND REQUIREMENTS : 5 Days

Biohazard info:

LABORATORY USE ONLY (Circle)

Custody Seal intact? Yes No N/A

Free ice / frozen ice bricks present upon receipt? Yes No N/A

Random Sample Temperature on Receipt: C

Other comments:

042	0908_QC101_240919	HDPE (no PTFE)	20 mL	00352309038806	Grey	No	
043	0908_QC102_240923	HDPE Soil Jar	200 mL	00621222032380	Grey	No	
044	0908_QC103_240923	HDPE (no PTFE)	20 mL	00352309039025	Grey	No	
044	0908_QC103_240923	HDPE (no PTFE)	20 mL	00352309039065	Grey	No	
044	0908_QC103_240923	HDPE (no PTFE)	20 mL	00352309039061	Grey	No	
044	0908_QC103_240923	HDPE (no PTFE)	20 mL	00352309038663	Grey	No	
045	0908_QC104_240923	HDPE (no PTFE)	20 mL	00352309038789	Grey	No	
045	0908_QC104_240923	HDPE (no PTFE)	20 mL	00352309038747	Grey	No	
045	0908_QC104_240923	HDPE (no PTFE)	20 mL	00352309038801	Grey	No	
045	0908_QC104_240923	HDPE (no PTFE)	20 mL	00352309039051	Grey	No	
046	0908_QC105_240923	HDPE Soil Jar	200 mL	00621222013648	Grey	No	

Total Bottle Count: ALS: 118, Non ALS: 0

CERTIFICATE OF ANALYSIS

Work Order	: **ES2432380**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 03-Oct-2024 14:50
Order number	: 60612562_8.1	Date Analysis Commenced	: 03-Oct-2024
C-O-C number	: ----	Issue Date	: 04-Oct-2024 15:53
Sampler	: ----		
Site	: ----		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Inorganics, Smithfield, NSW
	Organic Chemist	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- Rebatch of ES2430943 and ES2430945
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where LISTED. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	0908_SD600_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 14:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2432380-002	--------	--------	--------	--------
					Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	0.1	%		**54.4**	----	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg		**0.0042**	----	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg		**0.0007**	----	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg		**0.0658**	----	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg		**0.0035**	----	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg		<0.001	----	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg		**0.0003**	----	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg		**0.0004**	----	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg		<0.0002	----	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg		<0.0005	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg		**0.0004**	----	----	----	----

Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	0908_SD600_240919	----	----	----	----
				Sampling date / time	19-Sep-2024 14:35	----	----	----	----
Compound	CAS Number	LOR	Unit		ES2432380-002	--------	--------	--------	--------
					Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg		<0.0005	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg		<0.0005	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg		<0.0002	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg		<0.0002	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg		<0.0005	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg		<0.0005	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg		<0.0005	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg		<0.0005	----	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.0002	mg/kg		**0.0759**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg		**0.0700**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg		**0.0710**	----	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.0002	%		**109**	----	----	----	----
13C8-PFOA	----	0.0002	%		**103**	----	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	0908_MW270S_240920	----	----	----	----
				Sampling date / time	20-Sep-2024 12:33	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2432380-001	--------	--------	--------	--------	
				Result	----	----	----	----	
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	----	----	----	----	
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	----	----	----	----	
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	**0.05**	----	----	----	----	
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	----	----	----	----	
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	**0.03**	----	----	----	----	
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	----	----	----	----	
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	----	----	----	----	
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	**0.12**	----	----	----	----	
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	**0.10**	----	----	----	----	
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	**0.08**	----	----	----	----	
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	**0.04**	----	----	----	----	
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	----	----	----	----	
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	----	----	----	----	
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	----	----	----	----	
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	----	----	----	----	
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	----	----	----	----	
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	----	----	----	----	
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	----	----	----	----	
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	----	----	----	----	

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)			Sample ID	0908_MW270S_240920	----	----	----	----
			Sampling date / time	20-Sep-2024 12:33	----	----	----	----
Compound	CAS Number	LOR	Unit	ES2432380-001	--------	--------	--------	--------
				Result	----	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued								
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	----	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	----	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	----	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids								
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	----	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	----	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	----	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	----	----	----	----
EP231P: PFAS Sums								
Sum of PFAS	----	0.01	µg/L	**0.42**	----	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L	**0.08**	----	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L	**0.42**	----	----	----	----
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.02	%	**96.7**	----	----	----	----
13C8-PFOA	----	0.02	%	**107**	----	----	----	----

Surrogate Control Limits

Sub-Matrix: **SOIL**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

Sub-Matrix: **WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2432380**	Page	: 1 of 7
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 03-Oct-2024
Order number	: 60612562_8.1	Date Analysis Commenced	: 03-Oct-2024
C-O-C number	: ----	Issue Date	: 04-Oct-2024
Sampler	: ----		
Site	: ----		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Inorganics, Smithfield, NSW
[redacted]	Organic Chemist	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 6098046)									
ES2432023-001	Anonymous	EA055: Moisture Content	----	0.1	%	16.2	16.4	0.8	0% - 20%
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6097430)									
ES2432380-002	0908_SD600_240919	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	0.0003	0.0002	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	0.0003	0.0004	0.0	No Limit
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	0.0042	0.0050	17.1	0% - 20%
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	0.0007	0.0007	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	0.0658	0.0677	2.8	0% - 20%
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	0.0035	0.0028	21.0	0% - 50%
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6097430)									
ES2432380-002	0908_SD600_240919	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	0.0003	0.0004	42.1	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	0.0004	0.0006	38.7	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6097430)									
ES2432380-002	0908_SD600_240919	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	0.0004	0.0004	0.0	No Limit

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6097430) - continued									
ES2432380-002	0908_SD600_240919	EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6097430)									
ES2432380-002	0908_SD600_240919	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6097430)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00125 mg/kg	101	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	116	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	103	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.0	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	92.2	68.0	136
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.1	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6097430)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	77.3	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.6	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.0	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.4	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.6	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	102	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	94.3	69.0	133
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	107	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.8	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	99.8	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	78.9	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6097430)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	124	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	110	71.6	129
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.8	69.8	131
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	90.9	68.7	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	98.3	65.1	134
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	100	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	128	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6097430)								

Sub-Matrix: **SOIL**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6097430) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	86.9	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00125 mg/kg	120	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.00125 mg/kg	129	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00125 mg/kg	122	69.2	143

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6097682)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	91.6	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	110	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	92.3	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	115	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	98.0	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	91.0	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6097682)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	106	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	100	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	99.2	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	102	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	102	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	101	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	101	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	113	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	112	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	113	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	109	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6097682)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	110	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	110	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	97.6	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	114	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	112	57.6	145

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6097682) - continued								
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	114	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	89.0	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6097682)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	107	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	101	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	107	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	86.2	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **SOIL**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6097430)							
ES2432380-002	0908_SD600_240919	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00125 mg/kg	98.4	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00125 mg/kg	96.3	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00125 mg/kg	96.5	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00125 mg/kg	92.2	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00125 mg/kg	# Not Determined	68.0	136
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00125 mg/kg	79.2	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6097430)							
ES2432380-002	0908_SD600_240919	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	81.1	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	95.9	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	97.5	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	95.8	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	100	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	111	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	102	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	111	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	108	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.00125 mg/kg	107	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	85.5	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6097430)							

Sub-Matrix: **SOIL**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6097430) - continued							
ES2432380-002	0908_SD600_240919	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	122	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	108	71.6	129
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	89.9	69.8	131
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	93.8	68.7	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	97.8	65.1	134
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	101	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	124	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6097430)							
ES2432380-002	0908_SD600_240919	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00125 mg/kg	102	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00125 mg/kg	121	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.00125 mg/kg	105	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00125 mg/kg	95.4	69.2	143

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2432380**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 03-Oct-2024
Site	: ----	Issue Date	: 04-Oct-2024
Sampler	: ----	No. of samples received	: 2
Order number	: 60612562_8.1	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **Matrix Spike outliers exist - please see following pages for full details.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **Quality Control Sample Frequency Outliers exist - please see following pages for full details.**

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **SOIL**

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EP231A: Perfluoroalkyl Sulfonic Acids	ES2432380--002	0908_SD600_240919	**Perfluorooctane sulfonic acid (PFOS)**	1763-23-1	Not Determined	----	**MS recovery not determined, background level greater than or equal to 4x spike level.**

Outliers : Frequency of Quality Control Samples

Matrix: **WATER**

Quality Control Sample Type		Count		Rate (%)		Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	
Laboratory Duplicates (DUP)						
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	0	6	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)						
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	0	6	0.00	5.00	NEPM 2013 B3 & ALS QC Standard

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / *Container* / *Client Sample ID(s)*	*Sample Date*	*Extraction / Preparation*			*Analysis*		
		Date extracted	*Due for extraction*	*Evaluation*	*Date analysed*	*Due for analysis*	*Evaluation*
EA055: Moisture Content (Dried @ 105-110°C)							
HDPE Soil Jar (EA055)							
0908_SD600_240919	**19-Sep-2024**	**----**	----	----	**03-Oct-2024**	03-Oct-2024	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD600_240919	**19-Sep-2024**	**03-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	12-Nov-2024	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X)							
0908_SD600_240919	**19-Sep-2024**	**03-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	12-Nov-2024	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X)							
0908_SD600_240919	**19-Sep-2024**	**03-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	12-Nov-2024	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X)							
0908_SD600_240919	**19-Sep-2024**	**03-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	12-Nov-2024	✓

Matrix: **SOIL**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) 0908_SD600_240919	**19-Sep-2024**	**03-Oct-2024**	18-Mar-2025	✓	**04-Oct-2024**	12-Nov-2024	✓

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW270S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X) 0908_MW270S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X) 0908_MW270S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X) 0908_MW270S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X) 0908_MW270S_240920	**20-Sep-2024**	**03-Oct-2024**	19-Mar-2025	✓	**04-Oct-2024**	19-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Moisture Content	EA055	1	9	**11.11**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	7	**14.29**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	7	**14.29**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	0	6	**0.00**	**10.00**	×	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	6	**16.67**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	0	6	**0.00**	**5.00**	×	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by LC-Electrospray-MS-MS, Negative Mode using MRM using internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to a portion of soil which is then extracted with MTBE and an ion pairing reagent. A portion of extract is exchanged into the analytical solvent mixture, combined with an equal volume reagent water and filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
QuECheRS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2432380**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 3
Order number	: 60612562_8.1	Quote number	: ES2021AECOMAU0030 (SY/139/19 v5 60612562_8.1)
C-O-C number	: ----	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: ----		
Sampler	:		

Dates

Date Samples Received	: 03-Oct-2024 14:50	Issue Date	: 03-Oct-2024
Client Requested Due Date	: 04-Oct-2024	Scheduled Reporting Date	: **04-Oct-2024**

Delivery Details

Mode of Delivery	: Samples On Hand	Security Seal	: Not Available
No. of coolers/boxes	: ----	Temperature	: 8.7'C
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.
- Rebatch of ES2430943 and ES2430945

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **SOIL**

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - EA055-103 Moisture Content	SOIL - EP231X (solids) PFAS - Full Suite (30 analytes)
ES2432380-002	19-Sep-2024 14:35	0908_SD600_240919	✓	✓

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2432380-001	20-Sep-2024 12:33	0908_MW270S_240920	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE

- A4 - AU Tax Invoice (INV) — Email [redacted]

DERP ESDAT REPORTS

- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- A4 - AU Tax Invoice (INV) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]
- *AU Certificate of Analysis - NATA (COA) — Email [redacted]
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) — Email [redacted]
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) — Email [redacted]
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) — Email [redacted]
- Chain of Custody (CoC) (COC) — Email [redacted]
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) — Email [redacted]
- EDI Format - ESDAT (ESDAT) — Email [redacted]

REBATCH REQUEST

Workorder / Client code /	Copy + Paste Report Information from GS	**CS Contact:**	
Project:	PFASOMF_24 & ALS Workorder ES2430943, Client AECOMAU, Project NSW_0908_PFASOMF_24	Additional Information:	
Project Manager:	[redacted]		
	Please include this rebatch PM plus all report recipients as per original workorder		
Date samples rec'd:	20/09/2024 16:00		
Date Instructions rec'd:	3/10/2024 8:39		
Rebatch due date:	Friday, 4 October 2024	FTAT approved? YES	
Due date surcharge:			

Sample information

Analysis

New Lab ID	Client ID	Sampling Date / Time	Previous WorkOrder Reference	Previous ALS ID	Tray Number(s)	Container	Managed Moisture	Standard: PFAS - Full Suite (EP231X)	Leach	Shortest Holding time expiry
1	0908_MW270S_240920	20/09/2024 12:33	ES2430950	001	LC-175	Other plastic	NO	X		04-Oct-24
2	0908_SD600_240919	19/09/2024 14:35	ES2430943	001	S-716	Soil HDPE	NO	X		03-Oct-24
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
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	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00

Environmental Division
Sydney
Work Order Reference
ES2432380

Telephone : +61-2-8784 8555

[redacted] 3/10/24 2:57

CERTIFICATE OF ANALYSIS

Work Order	: **ES2433127**	Page	: 1 of 5
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024 15:00
Order number	: 60569462-21.01	Date Analysis Commenced	: 11-Oct-2024
C-O-C number	:	Issue Date	: 14-Oct-2024 18:35
Sampler	: [redacted]		
Site	: WLM_GW		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP231X - Per- and Polyfluoroalkyl Substances (PFAS): Samples received in 20mL or 125mL bottles have been tested in accordance with the QSM5.4 compliant, NATA accredited method. 60mL or 250mL bottles have been tested to the legacy QSM 5.1 aligned, NATA accredited method.
- This is a rebatch of WO ES2431761.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per tables in USEPA 1633 where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	0908_MW168_240924	0908_MW172_240924	----	----	----
				Sampling date / time	24-Sep-2024 10:45	24-Sep-2024 13:45	----	----	----
Compound	CAS Number	LOR	Unit		ES2433127-001	ES2433127-002	--------	--------	--------
					Result	Result	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L		<0.02	**0.17**	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L		**0.03**	**0.33**	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L		**1.81**	**3.42**	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L		**1.01**	<0.02	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L		**0.77**	**0.02**	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L		**0.07**	<0.02	----	----	----
EP231B: Perfluoroalkyl Carboxylic Acids									
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L		<0.1	<0.1	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L		**0.05**	<0.02	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L		**0.19**	**0.06**	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L		**0.06**	<0.02	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L		**1.61**	**0.06**	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L		<0.02	<0.02	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L		<0.05	<0.05	----	----	----
EP231C: Perfluoroalkyl Sulfonamides									
Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L		<0.02	<0.02	----	----	----
N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L		<0.05	<0.05	----	----	----

Analytical Results

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	0908_MW168_240924	0908_MW172_240924	----	----	----
				Sampling date / time	24-Sep-2024 10:45	24-Sep-2024 13:45	----	----	----
Compound	CAS Number	LOR	Unit		ES2433127-001	ES2433127-002	--------	--------	--------
					Result	Result	----	----	----
EP231C: Perfluoroalkyl Sulfonamides - Continued									
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L		<0.05	<0.05	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L		<0.05	<0.05	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L		<0.02	<0.02	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L		<0.02	<0.02	----	----	----
EP231D: (n:2) Fluorotelomer Sulfonic Acids									
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L		<0.05	<0.05	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L		<0.05	<0.05	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L		<0.05	<0.05	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L		<0.05	<0.05	----	----	----
EP231P: PFAS Sums									
Sum of PFAS	----	0.01	µg/L		**5.70**	**4.10**	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.01	µg/L		**2.58**	**3.44**	----	----	----
Sum of PFAS (WA DER List)	----	0.01	µg/L		**4.49**	**3.73**	----	----	----
EP231S: PFAS Surrogate									
13C4-PFOS	----	0.02	%		**100**	**97.8**	----	----	----
13C8-PFOA	----	0.02	%		**99.4**	**100**	----	----	----

Surrogate Control Limits

Sub-Matrix: **WATER**		Recovery Limits (%)	
Compound	*CAS Number*	*Low*	*High*
EP231S: PFAS Surrogate			
13C4-PFOS	----	60	120
13C8-PFOA	----	60	120

QUALITY CONTROL REPORT

Work Order	: **ES2433127**	Page	: 1 of 6
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
Telephone	: ----	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024
Order number	: 60569462-21.01	Date Analysis Commenced	: 11-Oct-2024
C-O-C number	:	Issue Date	: 14-Oct-2024
Sampler	: [redacted]		
Site	: WLM_GW		
Quote number	: SY/139/19 v5 60612562_8.1		
No. of samples received	: 2		
No. of samples analysed	: 2		

Accreditation No. 825
Accredited for compliance with ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	*Position*	*Accreditation Category*
[redacted]	Organic Chemist	Sydney Organics, Smithfield, NSW

General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
RPD = Relative Percentage Difference
# = Indicates failed QC
* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 6112811)									
ES2432711-002	Anonymous	EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 6112811)									
ES2432711-002	Anonymous	EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05 (0.12)*	µg/L	<0.12	<0.12	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1 (0.2)*	µg/L	<0.2	<0.2	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6112811)									
ES2432711-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit

Sub-Matrix: **WATER**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD (%)*	*Acceptable RPD (%)*
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 6112811) - continued									
ES2432711-002	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05 (0.12)*	µg/L	<0.12	<0.12	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05 (0.12)*	µg/L	<0.12	<0.12	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05 (0.12)*	µg/L	<0.12	<0.12	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05 (0.12)*	µg/L	<0.12	<0.12	0.0	No Limit
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 6112811)									
ES2432711-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	<0.05	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	<0.05	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 6112811)									
ES2432711-002	Anonymous	EP231X: Sum of PFAS	----	0.01 (0.05)*	µg/L	<0.05	<0.05	0.0	No Limit

Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike	Spike Recovery (%)	Acceptable Limits (%)	
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6112811)								
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.02	µg/L	<0.02	0.25 µg/L	81.8	72.0	130
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.02	µg/L	<0.02	0.25 µg/L	82.4	71.0	127
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.01	µg/L	<0.01	0.25 µg/L	77.1	68.0	131
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.02	µg/L	<0.02	0.25 µg/L	102	69.0	134
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.01	µg/L	<0.01	0.25 µg/L	88.3	65.0	140
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.02	µg/L	<0.02	0.25 µg/L	79.4	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6112811)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.1	µg/L	<0.1	1.25 µg/L	88.7	73.0	129
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.02	µg/L	<0.02	0.25 µg/L	95.1	72.0	129
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.02	µg/L	<0.02	0.25 µg/L	88.5	72.0	129
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.02	µg/L	<0.02	0.25 µg/L	91.1	72.0	130
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.01	µg/L	<0.01	0.25 µg/L	93.1	71.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.02	µg/L	<0.02	0.25 µg/L	97.1	69.0	130
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.02	µg/L	<0.02	0.25 µg/L	90.6	71.0	129
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.02	µg/L	<0.02	0.25 µg/L	95.5	69.0	133
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.02	µg/L	<0.02	0.25 µg/L	99.7	72.0	134
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.02	µg/L	<0.02	0.25 µg/L	93.3	65.0	144
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.05	µg/L	<0.05	0.625 µg/L	89.0	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6112811)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.02	µg/L	<0.02	0.25 µg/L	93.3	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.05	µg/L	<0.05	0.625 µg/L	90.4	68.0	141
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.05	µg/L	<0.05	0.625 µg/L	94.3	62.6	147
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.05	µg/L	<0.05	0.625 µg/L	87.5	66.0	145
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.05	µg/L	<0.05	0.625 µg/L	97.0	57.6	145
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.02	µg/L	<0.02	0.25 µg/L	90.3	65.0	136
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.02	µg/L	<0.02	0.25 µg/L	79.3	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6112811)								

Sub-Matrix: **WATER**

Method: Compound	CAS Number	LOR	Unit	Method Blank (MB) Report: Result	Laboratory Control Spike (LCS) Report: Spike Concentration	Spike Recovery (%): LCS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6112811) - continued								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.05	µg/L	<0.05	0.25 µg/L	94.5	63.0	143
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.05	µg/L	<0.05	0.25 µg/L	91.4	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.05	µg/L	<0.05	0.25 µg/L	85.6	67.0	138
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.05	µg/L	<0.05	0.25 µg/L	73.5	71.4	144

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Matrix Spike (MS) Report: Spike Concentration	SpikeRecovery(%): MS	Acceptable Limits (%): Low	Acceptable Limits (%): High
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 6112811)							
ES2432711-002	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.25 µg/L	87.8	72.0	130
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.25 µg/L	81.6	71.0	127
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.25 µg/L	79.7	68.0	131
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.25 µg/L	103	69.0	134
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.25 µg/L	87.3	65.0	140
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.25 µg/L	78.9	53.0	142
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 6112811)							
ES2432711-002	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	1.25 µg/L	91.1	73.0	129
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.25 µg/L	97.9	72.0	129
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.25 µg/L	86.8	72.0	129
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.25 µg/L	88.8	72.0	130
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.25 µg/L	93.6	71.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.25 µg/L	94.7	69.0	130
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.25 µg/L	87.0	71.0	129
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.25 µg/L	89.1	69.0	133
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.25 µg/L	90.1	72.0	134
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.25 µg/L	89.4	65.0	144
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.625 µg/L	90.6	71.0	132
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6112811)							
ES2432711-002	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.25 µg/L	95.2	67.0	137
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.625 µg/L	84.5	68.0	141
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.625 µg/L	96.0	62.6	147
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.625 µg/L	91.7	66.0	145

Sub-Matrix: **WATER**

				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	*Sample ID*	*Method: Compound*	*CAS Number*	*Concentration*	*MS*	*Low*	*High*
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 6112811) - continued							
ES2432711-002	Anonymous	EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.625 µg/L	93.6	57.6	145
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.25 µg/L	93.4	65.0	136
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.25 µg/L	81.6	61.0	135
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 6112811)							
ES2432711-002	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.25 µg/L	72.7	63.0	143
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.25 µg/L	92.3	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.25 µg/L	104	67.0	138
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.25 µg/L	86.0	71.4	144

QA/QC Compliance Assessment to assist with Quality Review

Work Order	: **ES2433127**	Page	: 1 of 4
Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Telephone	: +61 2 8784 8555
Project	: NSW_0908_PFASOMP_24	Date Samples Received	: 27-Sep-2024
Site	: WLM_GW	Issue Date	: 14-Oct-2024
Sampler	: [redacted]	No. of samples received	: 2
Order number	: 60569462-21.01	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO Method Blank value outliers occur.**
- **NO Duplicate outliers occur.**
- **NO Laboratory Control outliers occur.**
- **NO Matrix Spike outliers occur.**
- **For all regular sample matrices, where applicable to the methodology, NO surrogate recovery outliers occur.**

Outliers : Analysis Holding Time Compliance

- **NO Analysis Holding Time Outliers exist.**

Outliers : Frequency of Quality Control Samples

- **NO Quality Control Sample Frequency Outliers exist.**

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for ***VOC in soils*** vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: × = Holding time breach ; ✓ = Within holding time.

Method / Container / Client Sample ID(s)	Sample Date	Extraction / Preparation			Analysis		
		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW168_240924, 0908_MW172_240924	**24-Sep-2024**	**11-Oct-2024**	23-Mar-2025	✓	**14-Oct-2024**	23-Mar-2025	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW168_240924, 0908_MW172_240924	**24-Sep-2024**	**11-Oct-2024**	23-Mar-2025	✓	**14-Oct-2024**	23-Mar-2025	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE (no PTFE) (EP231X)							
0908_MW168_240924, 0908_MW172_240924	**24-Sep-2024**	**11-Oct-2024**	23-Mar-2025	✓	**14-Oct-2024**	23-Mar-2025	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE (no PTFE) (EP231X)							
0908_MW168_240924, 0908_MW172_240924	**24-Sep-2024**	**11-Oct-2024**	23-Mar-2025	✓	**14-Oct-2024**	23-Mar-2025	✓
EP231P: PFAS Sums							
HDPE (no PTFE) (EP231X)							
0908_MW168_240924, 0908_MW172_240924	**24-Sep-2024**	**11-Oct-2024**	23-Mar-2025	✓	**14-Oct-2024**	23-Mar-2025	✓

Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	*Method*	*QC*	*Regular*	***Actual***	***Expected***	*Evaluation*	
Laboratory Duplicates (DUP)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	5	**20.00**	**10.00**	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	5	**20.00**	**5.00**	✓	NEPM 2013 B3 & ALS QC Standard

Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	WATER	In-house: Analysis of fresh and saline waters by Solid Phase Extraction (SPE) followed by LC-Electrospray-MS-MS, Negative Mode using MRM and internal standard quantitation. Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures and data quality objectives conform to US DoD QSM 5.4, table B-15 requirements.

Preparation Methods	Method	Matrix	Method Descriptions
Solid Phase Extraction (SPE) for PFAS in water	ORG72	WATER	In-house: Isotopically labelled analogues of target analytes used as internal standards and surrogates are added to the sample container. The entire contents are transferred to a solid phase extraction (SPE) cartridge. The sample container is successively rinsed with aliquots of the elution solvent. The eluted extract is combined with an equal volume of reagent water and a portion is filtered for analysis. Method procedures conform to US DoD QSM 5.3, table B-15 requirements.

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **ES2433127**

Client	: **AECOM AUSTRALIA PTY LTD**	Laboratory	: Environmental Division Sydney
Contact	: [redacted]	Contact	: [redacted]
Address	: 17 WARABROOK BLVD NEWCASTLE Newcastle 2304	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164
E-mail	: [redacted]	E-mail	: [redacted]
Telephone	: ----	Telephone	: +61 2 8784 8555
Facsimile	: ----	Facsimile	: +61-2-8784 8500
Project	: NSW_0908_PFASOMP_24	Page	: 1 of 2
Order number	: 60569462-21.01	Quote number	: ES2021AECOMAU0030 (SY/139/19 v5 60612562_8.1)
C-O-C number	:	QC Level	: NEPM 2013 B3 & ALS QC Standard
Site	: WLM_GW		
Sampler	: [redacted]		

Dates

Date Samples Received	: 27-Sep-2024 15:00	Issue Date	: 10-Oct-2024
Client Requested Due Date	: 17-Oct-2024	Scheduled Reporting Date	: **17-Oct-2024**

Delivery Details

Mode of Delivery	: Undefined	Security Seal	: Not Available
No. of coolers/boxes	: ----	Temperature	: 0.1'C - Ice present
Receipt Detail	:	No. of samples received / analysed	: 2 / 2

General Comments

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Unless otherwise stated, analytical work for this work order will be conducted at ALS Sydney, NATA accreditation no. 825, site no. 10911.
- Sample Disposal - Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.
- This is a rebatch of WO ES2431761.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- **No sample container / preservation non-compliance exists.**

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.
If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

Laboratory sample ID	Sampling date / time	Sample ID	WATER - EP231X PFAS - Full Suite (31 analytes)
ES2433127-001	24-Sep-2024 10:45	0908_MW168_240924	✓
ES2433127-002	24-Sep-2024 13:45	0908_MW172_240924	✓

Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

Requested Deliverables

ACCOUNTS PAYABLE
- A4 - AU Tax Invoice (INV) Email

DERP ESDAT REPORTS
- EDI Format - ESDAT (ESDAT) Email

[redacted]
- *AU Certificate of Analysis - NATA (COA) Email
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) Email
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) Email
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) Email
- A4 - AU Tax Invoice (INV) Email
- Chain of Custody (CoC) (COC) Email
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) Email
- EDI Format - ESDAT (ESDAT) Email

[redacted]
- *AU Certificate of Analysis - NATA (COA) Email
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) Email
- *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) Email
- A4 - AU Sample Receipt Notification - Environmental HT (SRN) Email
- A4 - AU Tax Invoice (INV) Email
- Chain of Custody (CoC) (COC) Email
- EDI Format - EQUIS V5 AECOM (EQUIS_V5_AECOM) Email
- EDI Format - ESDAT (ESDAT) Email

[redacted]

REBATCH REQUEST

Workorder / Client code /	Copy – Paste client information from GEL
Project:	GI, Client AECOMAU, Project NSW 0908, PFASOMF_24
Project Manager:	[redacted]
	Please include this rebatch PM plus all report recipients as per original workorder
Date samples rec'd:	27/09/2024 19:20
Date instructions rec'd:	10/10/2024 14:43
Rebatch due date:	Monday, 14 October 2024 — FTAT approved? YES
Due date surcharge:	

CS Contact:

Additional Information:

Sample information / **Analysis**

New Lab ID	Client ID	Sampling Date / Time	Previous Work Order Reference	Previous ALS ID	Tray Number(s)	Container	Managed Moisture	PFAS Full Suite (EP231X)	Standard / Leach	Shortest Holding time expiry
1	0908_MW168_240924	24/09/2024 10:45	ES2431761	023	LC-021, LC-022	[illegible]	NO	X		08-Oct-24
2	0908_MW172_240924	24/09/2024 13:45	ES2431761	026	LC-021, LC-022	[illegible]	NO	X		08-Oct-24
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00
	0	0/01/1900 0:00								14-Jan-00

FTAT

Environmental Division
Sydney
Work Order Reference
ES2433127

Telephone : +61-2-8784 8555

[redacted]

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

CERTIFICATE OF ANALYSIS 362851

Client Details

Client	AECOM Australia Pty Ltd (Sydney)
Attention	[redacted]
Address	PO Box Q410, QVB Post Office, Sydney, NSW, 1230

Sample Details

Your Reference	**NSW_0908_PFASOMP_24**
Number of Samples	3 Soil, 10 Water
Date samples received	27/09/2024
Date completed instructions received	27/09/2024

Analysis Details

Please refer to the following pages for results, methodology summary and quality control data.

Samples were analysed as received from the client. Results relate specifically to the samples as received.

Results are reported on a dry weight basis for solids and on an as received basis for other matrices.

Please refer to the last page of this report for any comments relating to the results.

Report Details

Date results requested by	08/10/2024
Date of Issue	30/10/2024
Reissue Details	This report replaces R00 due to an amendment to sample ID's and dates for ELS #9 & 10

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Accredited for compliance with ISO/IEC 17025 - Testing. **Tests not covered by NATA are denoted with ***

Results Approved By
[redacted], Operation Manager
[redacted] Senior Chemist

Authorised By
[redacted], Laboratory Manager

PFAS in Waters Extended						
Our Reference		362851-2	362851-4	362851-5	362851-7	362851-8
Your Reference	UNITS	0908_QC201_24 0919	0908_QC203_24 0923	0908_QC204_24 0923	0908_QC206_24 0923	0908_QC207_24 0923
Date Sampled		19/09/2024	23/09/2024	23/09/2024	23/09/2024	23/09/2024
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024
Date analysed	-	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024
Perfluorobutanesulfonic acid	µg/L	0.82	0.15	0.03	<0.01	<0.01
Perfluoropentanesulfonic acid	µg/L	1.1	0.16	0.04	<0.01	<0.01
Perfluorohexanesulfonic acid - PFHxS	µg/L	11	1.7	0.62	<0.01	0.04
Perfluoroheptanesulfonic acid	µg/L	1.1	0.13	0.08	<0.01	<0.01
Perfluorooctanesulfonic acid PFOS	µg/L	21	1.5	1.5	<0.01	0.06
Perfluorodecanesulfonic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorobutanoic acid	µg/L	0.22	<0.02	<0.02	<0.02	<0.02
Perfluoropentanoic acid	µg/L	0.40	0.05	0.02	<0.02	<0.02
Perfluorohexanoic acid	µg/L	1.9	0.24	0.08	<0.01	<0.01
Perfluoroheptanoic acid	µg/L	0.35	0.04	0.01	<0.01	<0.01
Perfluorooctanoic acid PFOA	µg/L	0.78	0.10	0.04	<0.01	<0.01
Perfluorononanoic acid	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Perfluorotridecanoic acid	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorotetradecanoic acid	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
4:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
6:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
8:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
10:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonamide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctanesulfon amide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Me perfluorooctanesulfonamid oethanol	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Et perfluorooctanesulfonamid oethanol	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Surrogate $^{13}C_8$ *PFOS*	%	101	105	104	103	101
Surrogate $^{13}C_2$ *PFOA*	%	99	100	98	98	96
Extracted ISTD $^{13}C_3$ *PFBS*	%	102	102	102	105	106
Extracted ISTD $^{18}O_2$ *PFHxS*	%	79	86	89	90	92
Extracted ISTD $^{13}C_4$ *PFOS*	%	80	84	86	92	93

PFAS in Waters Extended						
Our Reference		362851-2	362851-4	362851-5	362851-7	362851-8
Your Reference	UNITS	0908_QC201_240919	0908_QC203_240923	0908_QC204_240923	0908_QC206_240923	0908_QC207_240923
Date Sampled		19/09/2024	23/09/2024	23/09/2024	23/09/2024	23/09/2024
Type of sample		Water	Water	Water	Water	Water
Extracted ISTD $^{13}C_4$ *PFBA*	%	57	77	90	96	94
Extracted ISTD $^{13}C_3$ *PFPeA*	%	102	111	111	111	108
Extracted ISTD $^{13}C_2$ *PFHxA*	%	110	115	110	113	106
Extracted ISTD $^{13}C_4$ *PFHpA*	%	86	91	91	98	97
Extracted ISTD $^{13}C_4$ *PFOA*	%	92	93	98	95	100
Extracted ISTD $^{13}C_5$ *PFNA*	%	81	94	96	99	96
Extracted ISTD $^{13}C_2$ *PFDA*	%	79	83	92	99	99
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	98	104	99	102	96
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	83	82	83	97	94
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	79	81	72	78	78
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	102	106	104	99	103
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	90	101	100	103	102
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	95	104	101	106	106
Extracted ISTD $^{13}C_8$ *FOSA*	%	90	92	95	105	102
Extracted ISTD d_3 *N MeFOSA*	%	92	94	93	99	96
Extracted ISTD d_5 *N EtFOSA*	%	81	83	84	89	90
Extracted ISTD d_7 *N MeFOSE*	%	79	80	76	81	82
Extracted ISTD d_9 *N EtFOSE*	%	92	89	89	91	93
Extracted ISTD d_3 *N MeFOSAA*	%	86	93	95	100	97
Extracted ISTD d_5 *N EtFOSAA*	%	85	97	91	98	103
Total Positive PFHxS & PFOS	µg/L	32	3.3	2.1	<0.01	0.10
Total Positive PFOA & PFOS	µg/L	22	1.6	1.5	<0.01	0.06
Total Positive PFAS	µg/L	39	4.1	2.4	<0.01	0.10

PFAS in Waters Extended						
Our Reference		362851-9	362851-10	362851-11	362851-12	362851-13
Your Reference	UNITS	0908_QC208_24 0924	0908_QC209_24 0925	0908_QC210_24 0925	0908_QC211_24 0927	0908_QC212_24 0927
Date Sampled		24/09/2024	25/09/2024	25/09/2024	27/09/2024	27/09/2024
Type of sample		Water	Water	Water	Water	Water
Date prepared	-	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024
Date analysed	-	01/10/2024	01/10/2024	01/10/2024	01/10/2024	01/10/2024
Perfluorobutanesulfonic acid	µg/L	<0.01	0.04	0.10	<0.01	<0.01
Perfluoropentanesulfonic acid	µg/L	0.01	0.04	0.09	<0.01	<0.01
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.1	0.15	0.48	<0.01	<0.01
Perfluoroheptanesulfonic acid	µg/L	<0.01	0.01	<0.01	<0.01	<0.01
Perfluorooctanesulfonic acid PFOS	µg/L	0.08	0.53	0.1	<0.01	<0.01
Perfluorodecanesulfonic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorobutanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoropentanoic acid	µg/L	<0.02	0.03	0.02	<0.02	<0.02
Perfluorohexanoic acid	µg/L	0.01	0.06	0.12	<0.01	<0.01
Perfluoroheptanoic acid	µg/L	<0.01	0.01	0.02	<0.01	<0.01
Perfluorooctanoic acid PFOA	µg/L	<0.01	0.01	0.04	<0.01	<0.01
Perfluorononanoic acid	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
Perfluorodecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluoroundecanoic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorododecanoic acid	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
Perfluorotridecanoic acid	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
Perfluorotetradecanoic acid	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
4:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
6:2 FTS	µg/L	<0.01	<0.01	<0.01	<0.01	<0.01
8:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
10:2 FTS	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Perfluorooctane sulfonamide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Methyl perfluorooctane sulfonamide	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Ethyl perfluorooctanesulfon amide	µg/L	<0.1	<0.1	<0.1	<0.1	<0.1
N-Me perfluorooctanesulfonamid oethanol	µg/L	<0.05	<0.05	<0.05	<0.05	<0.05
N-Et perfluorooctanesulfonamid oethanol	µg/L	<0.5	<0.5	<0.5	<0.5	<0.5
MePerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
EtPerfluorooctanesulf- amid oacetic acid	µg/L	<0.02	<0.02	<0.02	<0.02	<0.02
Surrogate $^{13}C_8$ *PFOS*	%	99	100	105	98	103
Surrogate $^{13}C_2$ *PFOA*	%	92	101	98	106	100
Extracted ISTD $^{13}C_3$ *PFBS*	%	103	99	98	95	101
Extracted ISTD $^{18}O_2$ *PFHxS*	%	87	87	84	78	81
Extracted ISTD $^{13}C_4$ *PFOS*	%	94	92	76	80	81
Extracted ISTD $^{13}C_4$ *PFBA*	%	93	90	100	58	90

PFAS in Waters Extended						
Our Reference		362851-9	362851-10	362851-11	362851-12	362851-13
Your Reference	UNITS	0908_QC208_240924	0908_QC209_240925	0908_QC210_240925	0908_QC211_240927	0908_QC212_240927
Date Sampled		24/09/2024	25/09/2024	25/09/2024	27/09/2024	27/09/2024
Type of sample		Water	Water	Water	Water	Water
Extracted ISTD $^{13}C_3$ *PFPeA*	%	108	108	111	103	110
Extracted ISTD $^{13}C_2$ *PFHxA*	%	111	111	107	107	114
Extracted ISTD $^{13}C_4$ *PFHpA*	%	96	94	88	87	87
Extracted ISTD $^{13}C_4$ *PFOA*	%	100	98	94	89	94
Extracted ISTD $^{13}C_5$ *PFNA*	%	98	98	87	88	90
Extracted ISTD $^{13}C_2$ *PFDA*	%	94	92	79	84	81
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	105	102	94	96	102
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	94	93	83	78	79
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	78	78	71	68	76
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	103	108	103	102	98
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	105	104	96	89	93
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	110	104	107	104	103
Extracted ISTD $^{13}C_8$ *FOSA*	%	101	103	92	92	94
Extracted ISTD d_3 *N MeFOSA*	%	97	101	87	89	92
Extracted ISTD d_5 *N EtFOSA*	%	88	91	82	81	82
Extracted ISTD d_7 *N MeFOSE*	%	74	78	84	81	80
Extracted ISTD d_9 *N EtFOSE*	%	92	92	92	86	90
Extracted ISTD d_3 *N MeFOSAA*	%	97	98	90	89	91
Extracted ISTD d_5 *N EtFOSAA*	%	98	97	97	93	93
Total Positive PFHxS & PFOS	µg/L	0.18	0.68	0.57	<0.01	<0.01
Total Positive PFOA & PFOS	µg/L	0.08	0.54	0.14	<0.01	<0.01
Total Positive PFAS	µg/L	0.20	0.89	0.96	<0.01	<0.01

PFAS in Soils Extended				
Our Reference		362851-1	362851-3	362851-6
Your Reference	UNITS	0908_QC200_240919	0908_QC202_240923	0908_QC205_240923
Date Sampled		19/09/2024	23/09/2024	23/09/2024
Type of sample		Soil	Soil	Soil
Date prepared	-	01/10/2024	01/10/2024	01/10/2024
Date analysed	-	01/10/2024	01/10/2024	01/10/2024
Perfluorobutanesulfonic acid	µg/kg	1.2	<0.1	<0.1
Perfluoropentanesulfonic acid	µg/kg	1.6	<0.1	<0.1
Perfluorohexanesulfonic acid - PFHxS	µg/kg	22	0.2	0.5
Perfluoroheptanesulfonic acid	µg/kg	5.3	<0.1	<0.1
Perfluorooctanesulfonic acid PFOS	µg/kg	160	1.0	6.6
Perfluorodecanesulfonic acid	µg/kg	<0.2	<0.2	<0.2
Perfluorobutanoic acid	µg/kg	<0.2	<0.2	<0.2
Perfluoropentanoic acid	µg/kg	0.3	<0.2	<0.2
Perfluorohexanoic acid	µg/kg	1.3	<0.1	<0.1
Perfluoroheptanoic acid	µg/kg	0.2	<0.1	<0.1
Perfluorooctanoic acid PFOA	µg/kg	0.9	<0.1	<0.1
Perfluorononanoic acid	µg/kg	<0.1	<0.1	<0.1
Perfluorodecanoic acid	µg/kg	<0.5	<0.5	<0.5
Perfluoroundecanoic acid	µg/kg	<0.5	<0.5	<2
Perfluorododecanoic acid	µg/kg	<0.5	<0.5	<0.5
Perfluorotridecanoic acid	µg/kg	<0.5	<0.5	<5
Perfluorotetradecanoic acid	µg/kg	<5	<5	<5
4:2 FTS	µg/kg	<0.1	<0.1	<0.1
6:2 FTS	µg/kg	<0.1	<0.1	<0.1
8:2 FTS	µg/kg	<0.2	<0.2	<0.2
10:2 FTS	µg/kg	<0.2	<0.2	<0.2
Perfluorooctane sulfonamide	µg/kg	<1	<1	<1
N-Methyl perfluorooctane sulfonamide	µg/kg	<1	<1	<1
N-Ethyl perfluorooctanesulfon amide	µg/kg	<1	<1	<1
N-Me perfluorooctanesulfonamid oethanol	µg/kg	<1	<1	<1
N-Et perfluorooctanesulfonamid oethanol	µg/kg	<5	<5	<5
MePerfluorooctanesulf- amid oacetic acid	µg/kg	<0.2	<0.2	<0.2
EtPerfluorooctanesulf amid oacetic acid	µg/kg	<0.2	<0.2	<0.2
Surrogate $^{13}C_8$ *PFOS*	%	94	97	98
Surrogate $^{13}C_2$ *PFOA*	%	96	97	99
Extracted ISTD $^{13}C_3$ *PFBS*	%	87	82	85
Extracted ISTD $^{18}O_2$ *PFHxS*	%	92	90	96
Extracted ISTD $^{13}C_4$ *PFOS*	%	85	86	86

PFAS in Soils Extended				
Our Reference		362851-1	362851-3	362851-6
Your Reference	UNITS	0908_QC200_240919	0908_QC202_240923	0908_QC205_240923
Date Sampled		19/09/2024	23/09/2024	23/09/2024
Type of sample		Soil	Soil	Soil
Extracted ISTD $^{13}C_4$ *PFBA*	%	99	98	104
Extracted ISTD $^{13}C_3$ *PFPeA*	%	96	95	76
Extracted ISTD $^{13}C_2$ *PFHxA*	%	94	89	99
Extracted ISTD $^{13}C_4$ *PFHpA*	%	95	96	104
Extracted ISTD $^{13}C_4$ *PFOA*	%	83	83	91
Extracted ISTD $^{13}C_5$ *PFNA*	%	76	85	88
Extracted ISTD $^{13}C_2$ *PFDA*	%	90	94	83
Extracted ISTD $^{13}C_2$ *PFUnDA*	%	94	75	27
Extracted ISTD $^{13}C_2$ *PFDoDA*	%	81	81	43
Extracted ISTD $^{13}C_2$ *PFTeDA*	%	115	116	20
Extracted ISTD $^{13}C_2$ *4:2FTS*	%	94	107	162
Extracted ISTD $^{13}C_2$ *6:2FTS*	%	111	114	146
Extracted ISTD $^{13}C_2$ *8:2FTS*	%	113	108	109
Extracted ISTD $^{13}C_8$ *FOSA*	%	99	91	53
Extracted ISTD d_3 *N MeFOSA*	%	99	96	42
Extracted ISTD d_5 *N EtFOSA*	%	98	98	35
Extracted ISTD d_7 *N MeFOSE*	%	105	101	78
Extracted ISTD d_9 *N EtFOSE*	%	91	85	36
Extracted ISTD d_3 *N MeFOSAA*	%	102	93	62
Extracted ISTD d_5 *N EtFOSAA*	%	103	102	83
Total Positive PFHxS & PFOS	µg/kg	180	1.3	7.1
Total Positive PFOS & PFOA	µg/kg	160	1.0	6.6
Total Positive PFAS	µg/kg	190	1.3	7.1

Moisture				
Our Reference		362851-1	362851-3	362851-6
Your Reference	UNITS	0908_QC200_240919	0908_QC202_240923	0908_QC205_240923
Date Sampled		19/09/2024	23/09/2024	23/09/2024
Type of sample		Soil	Soil	Soil
Date prepared	-	01/10/2024	01/10/2024	01/10/2024
Date analysed	-	02/10/2024	02/10/2024	02/10/2024
Moisture	%	30	27	24

Method ID	Methodology Summary
Inorg-008	Moisture content determined by heating at 105+/-5 °C for a minimum of 12 hours.
Org-029	Soil samples are extracted with basified Methanol. Waters and soil extracts are directly injected and/or concentrated/extracted using SPE. TCLPs/ASLP leachates are centrifuged, the supernatant is then analysed (including amendment with solvent) - as per the option in AS4439.3. Analysis is undertaken with LC-MS/MS. PFAS results include the sum of branched and linear isomers where applicable. Please note that PFAS results are corrected for Extracted Internal Standards (QSM 5.4 Table B-15 terminology), which are mass labelled analytes added prior to sample preparation to assess matrix effects and verify processing of the sample. PFAS analytes without a commercially available mass labelled analogue are corrected vs a closely eluting mass labelled PFAS compound. Surrogates are also reported, in this context they are mass labelled PFAS compounds added prior to extraction but are used as monitoring compounds only (not used for result correction). Envicarb (or similar) is used discretionally to remove interfering matrix components. Please contact the laboratory if estimates of Measurement Uncertainty are required as per WA DER.

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	362851-4
Date prepared	-			01/10/2024	2	01/10/2024	01/10/2024		01/10/2024	01/10/2024
Date analysed	-			01/10/2024	2	01/10/2024	01/10/2024		01/10/2024	01/10/2024
Perfluorobutanesulfonic acid	µg/L	0.01	Org-029	<0.01	2	0.82	0.85	4	101	103
Perfluoropentanesulfonic acid	µg/L	0.01	Org-029	<0.01	2	1.1	1.2	9	106	100
Perfluorohexanesulfonic acid - PFHxS	µg/L	0.01	Org-029	<0.01	2	11	10	10	110	114
Perfluoroheptanesulfonic acid	µg/L	0.01	Org-029	<0.01	2	1.1	1.1	0	118	135
Perfluorooctanesulfonic acid PFOS	µg/L	0.01	Org-029	<0.01	2	21	21	0	106	111
Perfluorodecanesulfonic acid	µg/L	0.02	Org-029	<0.02	2	<0.02	<0.02	0	117	102
Perfluorobutanoic acid	µg/L	0.02	Org-029	<0.02	2	0.22	0.23	4	115	104
Perfluoropentanoic acid	µg/L	0.02	Org-029	<0.02	2	0.40	0.39	3	99	99
Perfluorohexanoic acid	µg/L	0.01	Org-029	<0.01	2	1.9	1.9	0	98	99
Perfluoroheptanoic acid	µg/L	0.01	Org-029	<0.01	2	0.35	0.35	0	108	110
Perfluorooctanoic acid PFOA	µg/L	0.01	Org-029	<0.01	2	0.78	0.75	4	96	100
Perfluorononanoic acid	µg/L	0.01	Org-029	<0.01	2	<0.01	<0.01	0	110	105
Perfluorodecanoic acid	µg/L	0.02	Org-029	<0.02	2	<0.02	<0.02	0	115	112
Perfluoroundecanoic acid	µg/L	0.02	Org-029	<0.02	2	<0.02	<0.02	0	98	103
Perfluorododecanoic acid	µg/L	0.05	Org-029	<0.05	2	<0.05	<0.05	0	104	98
Perfluorotridecanoic acid	µg/L	0.1	Org-029	<0.1	2	<0.1	<0.1	0	86	77
Perfluorotetradecanoic acid	µg/L	0.5	Org-029	<0.5	2	<0.5	<0.5	0	112	111
4:2 FTS	µg/L	0.01	Org-029	<0.01	2	<0.01	<0.01	0	100	106
6:2 FTS	µg/L	0.01	Org-029	<0.01	2	<0.01	<0.01	0	101	98
8:2 FTS	µg/L	0.02	Org-029	<0.02	2	<0.02	<0.02	0	94	94
10:2 FTS	µg/L	0.02	Org-029	<0.02	2	<0.02	<0.02	0	86	86
Perfluorooctane sulfonamide	µg/L	0.1	Org-029	<0.1	2	<0.1	<0.1	0	109	107
N-Methyl perfluorooctane sulfonamide	µg/L	0.05	Org-029	<0.05	2	<0.05	<0.05	0	116	116
N-Ethyl perfluorooctanesulfon amide	µg/L	0.1	Org-029	<0.1	2	<0.1	<0.1	0	111	113
N-Me perfluorooctanesulfonamid oethanol	µg/L	0.05	Org-029	<0.05	2	<0.05	<0.05	0	135	129
N-Et perfluorooctanesulfonamid oethanol	µg/L	0.5	Org-029	<0.5	2	<0.5	<0.5	0	99	105
MePerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	2	<0.02	<0.02	0	114	111
EtPerfluorooctanesulf- amid oacetic acid	µg/L	0.02	Org-029	<0.02	2	<0.02	<0.02	0	98	105
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	96	2	101	101	0	100	104
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	99	2	99	96	3	101	100

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	362851-4
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	98	2	102	99	3	99	102
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	85	2	79	79	0	83	85
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	83	2	80	79	1	81	83
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	99	2	57	56	2	96	76
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	110	2	102	107	5	111	106
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	110	2	110	106	4	107	106
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	87	2	86	86	0	88	89
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	92	2	92	94	2	91	96
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	91	2	81	81	0	91	94
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	85	2	79	82	4	83	87
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	101	2	98	97	1	96	96
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	89	2	83	81	2	86	85
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	72	2	79	80	1	70	81
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	101	2	102	113	10	98	99
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	94	2	90	98	9	94	100
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	101	2	95	102	7	105	104
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	92	2	90	91	1	90	88
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	91	2	92	92	0	91	93
Extracted ISTD d_5 *N EtFOSA*	%		Org-029	84	2	81	82	1	82	82
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	84	2	79	73	8	83	80

QUALITY CONTROL: PFAS in Waters Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-W1	362851-4
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	88	2	92	86	7	86	91
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	94	2	86	91	6	89	92
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	93	2	85	90	6	95	92

QUALITY CONTROL: PFAS in Soils Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Date prepared	-			01/10/2024	[NT]	[NT]	[NT]	[NT]	01/10/2024	[NT]
Date analysed	-			01/10/2024	[NT]	[NT]	[NT]	[NT]	01/10/2024	[NT]
Perfluorobutanesulfonic acid	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	103	[NT]
Perfluoropentanesulfonic acid	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	99	[NT]
Perfluorohexanesulfonic acid - PFHxS	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	87	[NT]
Perfluoroheptanesulfonic acid	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	107	[NT]
Perfluorooctanesulfonic acid PFOS	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	90	[NT]
Perfluorodecanesulfonic acid	µg/kg	0.2	Org-029	<0.2	[NT]	[NT]	[NT]	[NT]	97	[NT]
Perfluorobutanoic acid	µg/kg	0.2	Org-029	<0.2	[NT]	[NT]	[NT]	[NT]	93	[NT]
Perfluoropentanoic acid	µg/kg	0.2	Org-029	<0.2	[NT]	[NT]	[NT]	[NT]	97	[NT]
Perfluorohexanoic acid	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	88	[NT]
Perfluoroheptanoic acid	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	92	[NT]
Perfluorooctanoic acid PFOA	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
Perfluorononanoic acid	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	96	[NT]
Perfluorodecanoic acid	µg/kg	0.5	Org-029	<0.5	[NT]	[NT]	[NT]	[NT]	93	[NT]
Perfluoroundecanoic acid	µg/kg	0.5	Org-029	<0.5	[NT]	[NT]	[NT]	[NT]	82	[NT]
Perfluorododecanoic acid	µg/kg	0.5	Org-029	<0.5	[NT]	[NT]	[NT]	[NT]	98	[NT]
Perfluorotridecanoic acid	µg/kg	0.5	Org-029	<0.5	[NT]	[NT]	[NT]	[NT]	114	[NT]
Perfluorotetradecanoic acid	µg/kg	5	Org-029	<5	[NT]	[NT]	[NT]	[NT]	89	[NT]
4:2 FTS	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	93	[NT]
6:2 FTS	µg/kg	0.1	Org-029	<0.1	[NT]	[NT]	[NT]	[NT]	98	[NT]
8:2 FTS	µg/kg	0.2	Org-029	<0.2	[NT]	[NT]	[NT]	[NT]	103	[NT]
10:2 FTS	µg/kg	0.2	Org-029	<0.2	[NT]	[NT]	[NT]	[NT]	102	[NT]
Perfluorooctane sulfonamide	µg/kg	1	Org-029	<1	[NT]	[NT]	[NT]	[NT]	95	[NT]
N-Methyl perfluorooctane sulfonamide	µg/kg	1	Org-029	<1	[NT]	[NT]	[NT]	[NT]	96	[NT]
N-Ethyl perfluorooctanesulfon amide	µg/kg	1	Org-029	<1	[NT]	[NT]	[NT]	[NT]	99	[NT]
N-Me perfluorooctanesulfonamid oethanol	µg/kg	1	Org-029	<1	[NT]	[NT]	[NT]	[NT]	85	[NT]
N-Et perfluorooctanesulfonamid oethanol	µg/kg	5	Org-029	<5	[NT]	[NT]	[NT]	[NT]	93	[NT]
MePerfluorooctanesulf- amid oacetic acid	µg/kg	0.2	Org-029	<0.2	[NT]	[NT]	[NT]	[NT]	105	[NT]
EtPerfluorooctanesulf amid oacetic acid	µg/kg	0.2	Org-029	<0.2	[NT]	[NT]	[NT]	[NT]	104	[NT]
Surrogate $^{13}C_8$ *PFOS*	%		Org-029	98	[NT]	[NT]	[NT]	[NT]	91	[NT]
Surrogate $^{13}C_2$ *PFOA*	%		Org-029	97	[NT]	[NT]	[NT]	[NT]	96	[NT]

QUALITY CONTROL: PFAS in Soils Extended					Duplicate				Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Extracted ISTD $^{13}C_3$ *PFBS*	%		Org-029	108	[NT]	[NT]	[NT]	[NT]	102	[NT]
Extracted ISTD $^{18}O_2$ *PFHxS*	%		Org-029	111	[NT]	[NT]	[NT]	[NT]	113	[NT]
Extracted ISTD $^{13}C_4$ *PFOS*	%		Org-029	101	[NT]	[NT]	[NT]	[NT]	106	[NT]
Extracted ISTD $^{13}C_4$ *PFBA*	%		Org-029	123	[NT]	[NT]	[NT]	[NT]	118	[NT]
Extracted ISTD $^{13}C_3$ *PFPeA*	%		Org-029	118	[NT]	[NT]	[NT]	[NT]	116	[NT]
Extracted ISTD $^{13}C_2$ *PFHxA*	%		Org-029	115	[NT]	[NT]	[NT]	[NT]	108	[NT]
Extracted ISTD $^{13}C_4$ *PFHpA*	%		Org-029	124	[NT]	[NT]	[NT]	[NT]	120	[NT]
Extracted ISTD $^{13}C_4$ *PFOA*	%		Org-029	97	[NT]	[NT]	[NT]	[NT]	97	[NT]
Extracted ISTD $^{13}C_5$ *PFNA*	%		Org-029	107	[NT]	[NT]	[NT]	[NT]	103	[NT]
Extracted ISTD $^{13}C_2$ *PFDA*	%		Org-029	122	[NT]	[NT]	[NT]	[NT]	106	[NT]
Extracted ISTD $^{13}C_2$ *PFUnDA*	%		Org-029	119	[NT]	[NT]	[NT]	[NT]	112	[NT]
Extracted ISTD $^{13}C_2$ *PFDoDA*	%		Org-029	108	[NT]	[NT]	[NT]	[NT]	98	[NT]
Extracted ISTD $^{13}C_2$ *PFTeDA*	%		Org-029	145	[NT]	[NT]	[NT]	[NT]	140	[NT]
Extracted ISTD $^{13}C_2$ *4:2FTS*	%		Org-029	132	[NT]	[NT]	[NT]	[NT]	121	[NT]
Extracted ISTD $^{13}C_2$ *6:2FTS*	%		Org-029	143	[NT]	[NT]	[NT]	[NT]	129	[NT]
Extracted ISTD $^{13}C_2$ *8:2FTS*	%		Org-029	136	[NT]	[NT]	[NT]	[NT]	114	[NT]
Extracted ISTD $^{13}C_8$ *FOSA*	%		Org-029	118	[NT]	[NT]	[NT]	[NT]	115	[NT]
Extracted ISTD d_3 *N MeFOSA*	%		Org-029	125	[NT]	[NT]	[NT]	[NT]	123	[NT]
Extracted ISTD d_5 *N EtFOSA*	%		Org-029	121	[NT]	[NT]	[NT]	[NT]	121	[NT]
Extracted ISTD d_7 *N MeFOSE*	%		Org-029	133	[NT]	[NT]	[NT]	[NT]	122	[NT]

QUALITY CONTROL: PFAS in Soils Extended						Duplicate			Spike Recovery %	
Test Description	Units	PQL	Method	Blank	#	Base	Dup.	RPD	LCS-2	[NT]
Extracted ISTD d_9 *N EtFOSE*	%		Org-029	111	[NT]	[NT]	[NT]	[NT]	112	[NT]
Extracted ISTD d_3 *N MeFOSAA*	%		Org-029	121	[NT]	[NT]	[NT]	[NT]	112	[NT]
Extracted ISTD d_5 *N EtFOSAA*	%		Org-029	131	[NT]	[NT]	[NT]	[NT]	117	[NT]

Result Definitions

NT	Not tested
NA	Test not required
INS	Insufficient sample for this test
PQL	Practical Quantitation Limit
<	Less than
>	Greater than
RPD	Relative Percent Difference
LCS	Laboratory Control Sample
NS	Not specified
NEPM	National Environmental Protection Measure
NR	Not Reported

Quality Control Definitions

Blank	This is the component of the analytical signal which is not derived from the sample but from reagents, glassware etc, can be determined by processing solvents and reagents in exactly the same manner as for samples.
Duplicate	This is the complete duplicate analysis of a sample from the process batch. If possible, the sample selected should be one where the analyte concentration is easily measurable.
Matrix Spike	A portion of the sample is spiked with a known concentration of target analyte. The purpose of the matrix spike is to monitor the performance of the analytical method used and to determine whether matrix interferences exist.
LCS (Laboratory Control Sample)	This comprises either a standard reference material or a control matrix (such as a blank sand or water) fortified with analytes representative of the analyte class. It is simply a check sample.
Surrogate Spike	Surrogates are known additions to each sample, blank, matrix spike and LCS in a batch, of compounds which are similar to the analyte of interest, however are not expected to be found in real samples.

Australian Drinking Water Guidelines recommend that Thermotolerant Coliform, Faecal Enterococci, & E.Coli levels are less than 1cfu/100mL. The recommended maximums are taken from "Australian Drinking Water Guidelines", published by NHMRC & ARMC 2011.

The recommended maximums for analytes in urine are taken from “2018 TLVs and BEIs”, as published by ACGIH (where available). Limit provided for Nickel is a precautionary guideline as per Position Paper prepared by AIOH Exposure Standards Committee, 2016.

Guideline limits for Rinse Water Quality reported as per analytical requirements and specifications of AS 4187, Amdt 2 2019, Table 7.2

Laboratory Acceptance Criteria

Duplicate sample and matrix spike recoveries may not be reported on smaller jobs, however, were analysed at a frequency to meet or exceed NEPM requirements. All samples are tested in batches of 20. The duplicate sample RPD and matrix spike recoveries for the batch were within the laboratory acceptance criteria.

Filters, swabs, wipes, tubes and badges will not have duplicate data as the whole sample is generally extracted during sample extraction.

Spikes for Physical and Aggregate Tests are not applicable.

For VOCs in water samples, three vials are required for duplicate or spike analysis.

Duplicates: >10xPQL - RPD acceptance criteria will vary depending on the analytes and the analytical techniques but is typically in the range 20%-50% – see ELN-P05 QA/QC tables for details; <10xPQL - RPD are higher as the results approach PQL and the estimated measurement uncertainty will statistically increase.

Matrix Spikes, LCS and Surrogate recoveries: Generally 70-130% for inorganics/metals (not SPOCAS); 60-140% for organics/SPOCAS (+/-50% surrogates) and 10-140% for labile SVOCs (including labile surrogates), ultra trace organics and speciated phenols is acceptable.

In circumstances where no duplicate and/or sample spike has been reported at 1 in 10 and/or 1 in 20 samples respectively, the sample volume submitted was insufficient in order to satisfy laboratory QA/QC protocols.

When samples are received where certain analytes are outside of recommended technical holding times (THTs), the analysis has proceeded. Where analytes are on the verge of breaching THTs, every effort will be made to analyse within the THT or as soon as practicable.

Where sampling dates are not provided, Envirolab are not in a position to comment on the validity of the analysis where recommended technical holding times may have been breached.

Where matrix spike recoveries fall below the lower limit of the acceptance criteria (e.g. for non-labile or standard Organics <60%), positive result(s) in the parent sample will subsequently have a higher than typical estimated uncertainty (MU estimates supplied on request) and in these circumstances the sample result is likely biased significantly low.

Measurement Uncertainty estimates are available for most tests upon request.

Analysis of aqueous samples typically involves the extraction/digestion and/or analysis of the liquid phase only (i.e. NOT any settled sediment phase but inclusive of suspended particles if present), unless stipulated on the Envirolab COC and/or by correspondence. Notable exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, total recoverable metals and PFAS where solids are included by default.

Samples for Microbiological analysis (not Amoeba forms) received outside of the 2-8°C temperature range do not meet the ideal cooling conditions as stated in AS2031-2012.

Report Comments

For PFAS Extracted Internal Standards denoted with # or outside the 50-150% acceptance range, the respective target analyte results may be unaffected, in other circumstances the PQL has been raised to accommodate the outlier(s).

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

SAMPLE RECEIPT ADVICE

Client Details

Client	AECOM Australia Pty Ltd (Sydney)
Attention	[redacted]

Sample Login Details

Your reference	NSW_0908_PFASOMP_24
Envirolab Reference	362851
Date Sample Received	27/09/2024
Date Instructions Received	27/09/2024
Date Results Expected to be Reported	08/10/2024

Sample Condition

Samples received in appropriate condition for analysis	No
No. of Samples Provided	3 Soil, 10 Water
Turnaround Time Requested	Standard
Temperature on Receipt (°C)	4.5
Cooling Method	Ice
Sampling Date Provided	YES

Comments

Please contact the laboratory within 24 hours if you wish to cancel the aforementioned testing. Otherwise testing will proceed as per the COC and hence invoiced accordingly.

Please direct any queries to:

[redacted]	[redacted]
Phone: 02 9910 6200	**Phone: 02 9910 6200**
Fax: 02 9910 6201	**Fax: 02 9910 6201**
Email: [redacted]	**Email:** [redacted]

Analysis Underway, details on the following page:

Envirolab Services Pty Ltd
ABN 37 112 535 645
12 Ashley St Chatswood NSW 2067
ph 02 9910 6200 fax 02 9910 6201
customerservice@envirolab.com.au
www.envirolab.com.au

Sample ID	AECOM checks	AECOM checks	PFAS in Waters Extended	PFAS in Soils Extended
0908_QC200_240919	✓	✓		✓
0908_QC201_240919	✓	✓	✓	
0908_QC202_240923	✓	✓		✓
0908_QC203_240923	✓	✓	✓	
0908_QC204_240923	✓	✓	✓	
0908_QC205_240923	✓	✓		✓
0908_QC206_240923	✓	✓	✓	
0908_QC207_240923	✓	✓	✓	
0908_QC208_240924	✓	✓	✓	
0908_QC209_240925	✓	✓	✓	
0908_QC210_240925	✓	✓	✓	
0908_QC211_240927	✓	✓	✓	
0908_QC212_240927	✓	✓	✓	

The '✓' indicates the testing you have requested. **THIS IS NOT A REPORT OF THE RESULTS.**

Additional Info

Sample storage - Waters are routinely disposed of approximately 1 month and soils approximately 2 months from receipt.
Requests for longer term sample storage must be received in writing.
Please contact the laboratory immediately if observed settled sediment present in water samples is to be included in the extraction and/or analysis (exceptions include certain Physical Tests (pH/EC/BOD/COD/Apparent Colour etc.), Solids testing, Total Recoverable metals and PFAS analysis where solids are included by default.
TAT for Micro is dependent on incubation. This varies from 3 to 6 days.

CHAIN OF CUSTODY FORM

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ENVIROLAB GROUP
National phone number 1300 424 344

Sydney Lab - Envirolab Services
12 Ashley St, Chatswood, NSW 2067
✆ 02 9910 6200 | ✉ sydney@envirolab.com.au

Perth Lab - MPL Laboratories
16-18 Hayden Crt, Myaree, WA 6154
✆ 08 9317 2505 | ✉ lab@mpl.com.au

Melbourne Lab - Envirolab Services
25 Research Drive, Croydon South, VIC 3136
✆ 03 9763 2500 | ✉ melbourne@envirolab.com.au

Adelaide Office - Envirolab Services
7a The Parade, Norwood, SA 5067
✆ 08 7087 6800 | ✉ adelaide@envirolab.com.au

Brisbane Office - Envirolab Services
20a, 10-20 Depot St, Banyo, QLD 4014
✆ 07 3266 9532 | ✉ brisbane@envirolab.com.au

Darwin Office - Envirolab Services
Unit 20/119 Reichardt Road, Winnellie, NT 0820
✆ 08 8967 1201 | ✉ darwin@envirolab.com.au

Company:	AECOM	Client Project Name/Number/Site etc (le report title):	NSW_0908_PFASOMP_24
Contact Person:	[redacted]	PO No. (if applicable):	60569462_21.01
Project Mgr:		Envirolab Quote No.:	
Sampler:		Date results required:	
Address:	Level 6, 420 George St, Sydney, NSW, 2000	Or choose:	✓ Standard / Same Day / 1 day / 2 day / 3 day
Phone:	Mob: [redacted]	Note: Inform lab in advance if urgent turnaround is required - surcharges apply	
Email Results to:	[redacted]	Additional report format:	✓Esdat / Equis
Email Invoice to:		Lab Comments:	

Sample information					Tests Required																	Comments
Envirolab Sample ID (Lab use only)	Client Sample ID or Information	Depth	Date Sampled	Type of Sample	PFAS - Extended Suite E08540																	Provide as much information about the sample as you can
1	0908_QC200_240919	-	19/09/2024	Soil	X																	
2	0908_QC201_240919	-	19/09/2024	Water	X																	
3	0908_QC202_240923	-	23/09/2024	Soil	X																	
4	0908_QC203_240923	-	23/09/2024	Water	X																	
5	0908_QC204_240923	-	23/09/2024	Water	X																	
6	0908_QC205_240923	-	23/09/2024	Soil	X																	
7	0908_QC206_240923	-	23/09/2024	water	X																	
8	0908_QC207_240923	-	23/09/2024	water	X																	
9	0908_QC208_240924	-	24/09/2024	Water	X																	
10	0908_QC209_240925	-	25/09/2024	Water	X																	
11	0908_QC210_240925	-	25/09/2024	Water	X																	
12	0908_QC211_240927	-	27/09/2024	water	X																	
13	0908-QC212-240927		27/09/24	water	X																	

☐ *Please tick the box if observed settled sediment present in water samples is to be included in the extraction and/or analysis*

Relinquished by (Company): AECOM		Received by (Company): EL (AW)	
Print Name:	[redacted]	Print Name: [redacted]	
Date & Time:	27-9-24 @ 1700	Date & Time: 27/9/24 (AW)	1730
Signature:		Signature:	

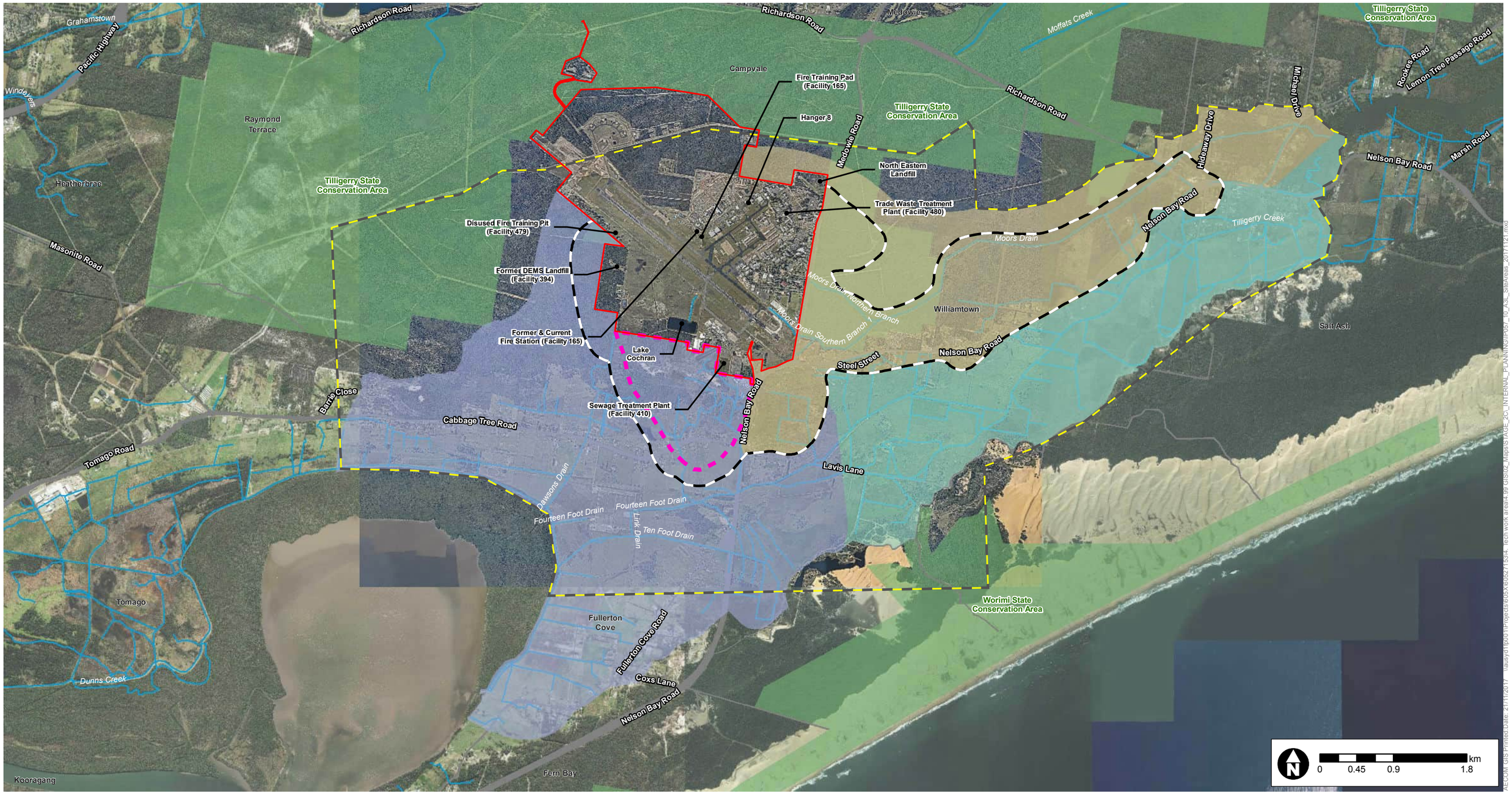
Lab Use Only

Job number:	362451
Temperature:	4.5°C
Cooling:	Ice / Ice pack / None
Security seal:	Intact / Broken / None
TAT Req - SAME day / 1 / 2 / 3 / 4 / STD	

Please send ESdat files to ERP.labreports@esdat.com.au and ensure that the files use the PROJECT NAME

Appendix F

Supporting Maps



KEY

- RAAF Base Williamtown
- NSW EPA Investigation Area
- State Conservation Area
- Off-Site Open Channel

Groundwater Areas

- Eastern Area
- Southern Area

Surface Water Regions

- Region 1
- Region 2
- Region 3

AECOM

SCALE 1:46,000	SIZE A3
SHEET **1 of 1**	COORDINATE SYSTEM GDA 1994 MGA Zone 56

TITLE

Figure F2: Assessment Areas and Regions Considered in 2017 HHRA

PROJECT

RAAF BASE WILLIAMTOWN STAGE 2B ENVIRONMENTAL INVESTIGATION
OFF-SITE HUMAN HEALTH RISK ASSESSMENT – 2017

CLIENT

DEPARTMENT OF DEFENCE

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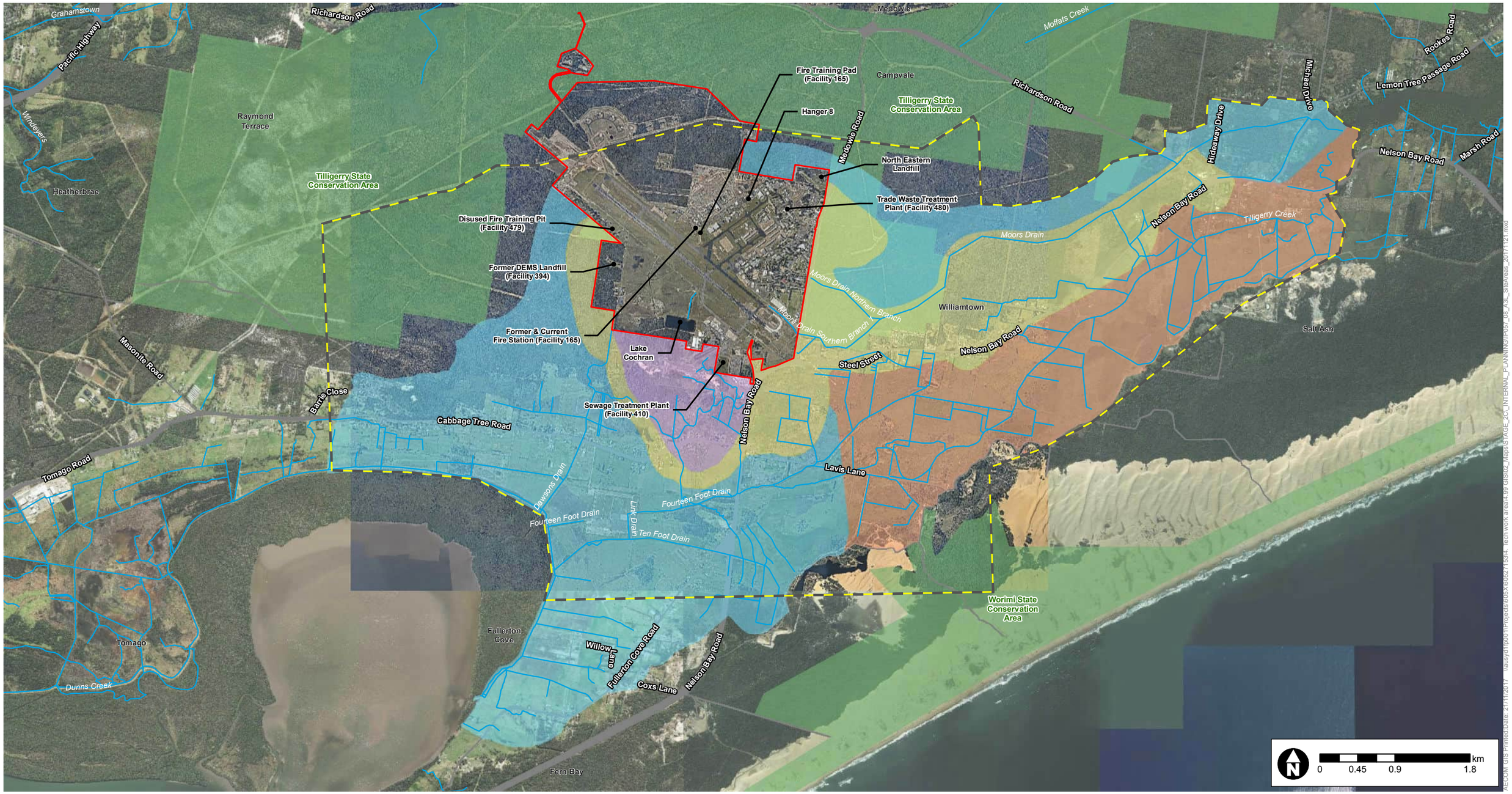
AECOM GIS Printed Date: 21/11/2017 \\ausyd1fpo01\Projects\60\X60527\534_tech work area\4 99 GIS\02_Maps\STAGE_2C_INTERNAL_PLANNING\IP\05_10_A3L_SiteAreas_20171121.mxd



KEY

- RAAF Base Williamtown
- NSW EPA Investigation Area
- State Conservation Area
- Off-Site Open Channel
- Risk Zone A
- Risk Zone B
- Risk Zone C
- Risk Zone D

AECOM

SCALE 1:45,002	SIZE A3
SHEET 1 of 1	COORDINATE SYSTEM GDA 1994 MGA Zone 56

TITLE
Figure F19: Risk Zones

PROJECT
RAAF BASE WILLIAMTOWN STAGE 2B ENVIRONMENTAL INVESTIGATION
OFF-SITE HUMAN HEALTH RISK ASSESSMENT – 2017

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Appendix H

Supporting Maps

Grahamstown
Pacific Highway
Windella
Richardson Road
Raymond Terrace
Heatherbrae
Masonite Road
Tilligerry State Conservation Area
Campvale
Medowie
Moffats Creek
Fire Training Pad (Facility 165)
Hanger 8
Medowie Road
Tilligerry State Conservation Area
Richardson Road
Michael Drive
Tilligerry State Conservation Area
Rookes Road
Lemon Tree Passage Road
Hideaway Drive
Nelson Bay Road
Marsh Road
North Eastern Landfill
Trade Waste Treatment Plant (Facility 480)
Disused Fire Training Pit (Facility 479)
Former DEMS Landfill (Facility 394)
Former & Current Fire Station (Facility 165)
Lake Cochran
Sewage Treatment Plant (Facility 410)
Moors Drain
Moors Drain Northern Branch
Moors Drain Southern Branch
Tilligerry Creek
Williamtown
Salt Ash
Nelson Bay Road
Steel Street
Nelson Bay Road
Barrie Close
Cabbage Tree Road
Tomago Road
Nelson Bay Road
Lavis Lane
Dawsons Drain
Fourteen Foot Drain
Fourteen Foot Drain
Link Drain
Ten Foot Drain
Worimi State Conservation Area
Tomago
Dunns Creek
Fullerton Cove
Fullerton Cove Road
Coxs Lane
Nelson Bay Road
Fern Bay
Kooragang
N
0 0.45 0.9 1.8 km

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KEY

- RAAF Base Williamtown
- NSW EPA Investigation Area
- State Conservation Area
- Off-Site Open Channel

Groundwater Areas

- Eastern Area
- Southern Area

Surface Water Regions

- Region 1
- Region 2
- Region 3

AECOM

SCALE 1:46,000
SIZE A3
SHEET 1 of 1
COORDINATE SYSTEM GDA 1994 MGA Zone 56

TITLE
Figure F2: Assessment Areas and Regions Considered in 2017 HHRA

PROJECT
RAAF BASE WILLIAMTOWN STAGE 2B ENVIRONMENTAL INVESTIGATION
OFF-SITE HUMAN HEALTH RISK ASSESSMENT – 2017

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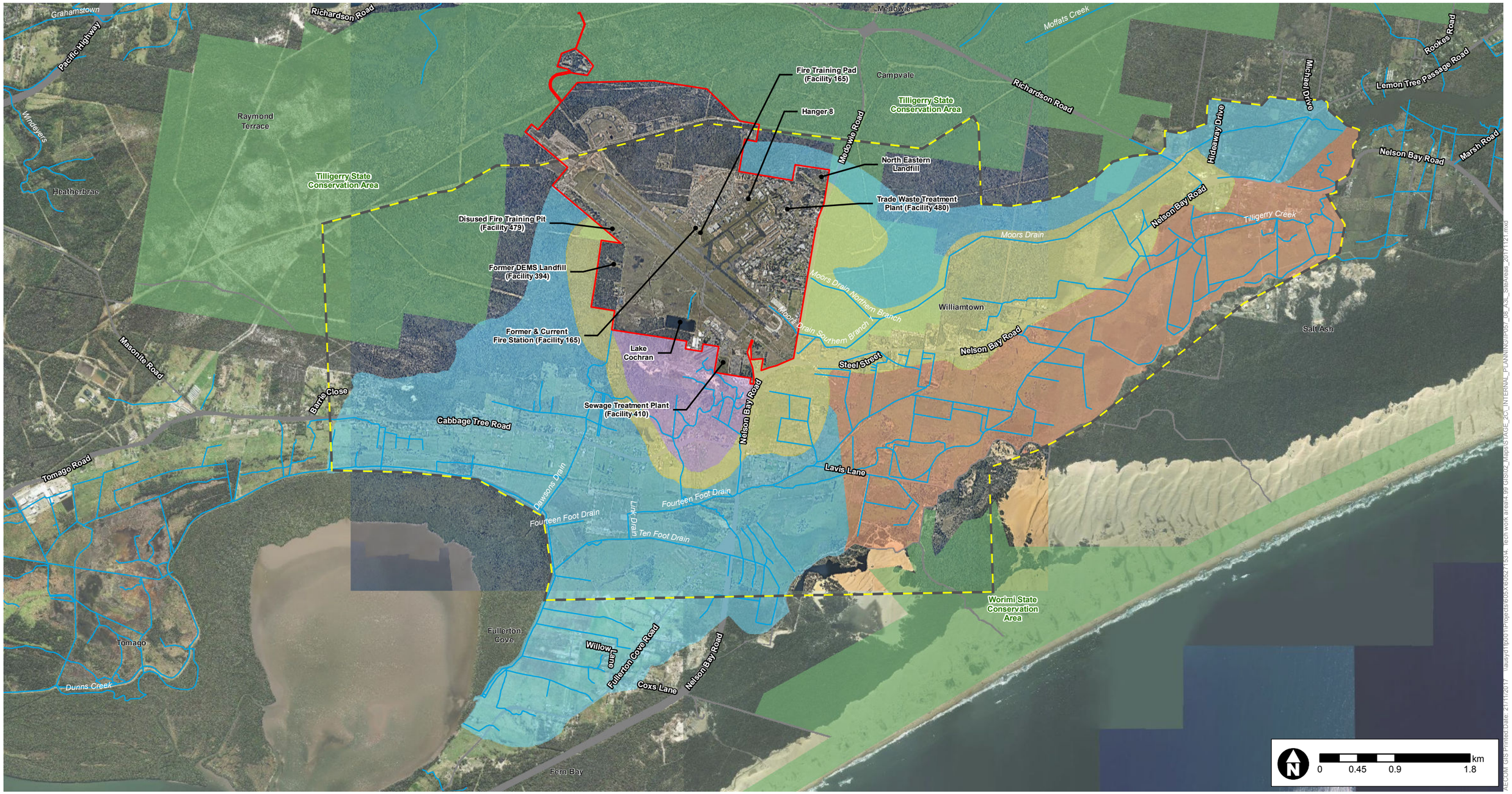

KEY

- RAAF Base Williamtown
- NSW EPA Investigation Area
- State Conservation Area
- Off-Site Open Channel
- Risk Zone A
- Risk Zone B
- Risk Zone C
- Risk Zone D

AECOM

SCALE	1:45,002
SIZE	A3
SHEET	1 of 1
COORDINATE SYSTEM	GDA 1994 MGA Zone 56

TITLE

Figure F19: Risk Zones

PROJECT

RAAF BASE WILLIAMTOWN STAGE 2B ENVIRONMENTAL INVESTIGATION
OFF-SITE HUMAN HEALTH RISK ASSESSMENT – 2017

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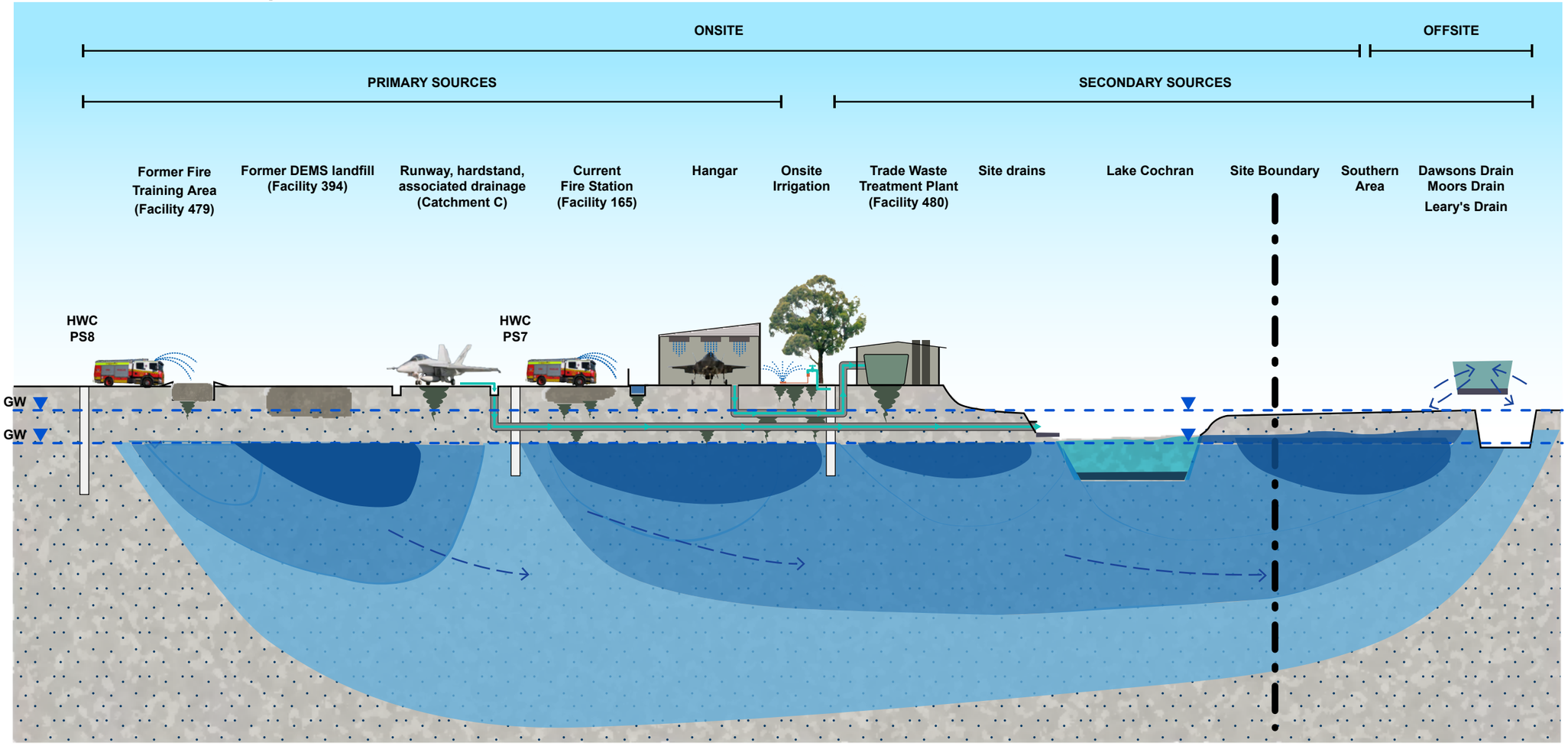
Appendix I

Conceptual Site Model

APPENDIX B Conceptual Site Model



KEY
Concentration of PFOS

- >50 µg/L
- 10-50 µg/L
- 0.2-10 µg/L

Ground Impacts

- Fill
- Impacted soil
- Impacted sediment
- Leaching to ground water
- Groundwater

Source

Former AFFF Training (Soil excavated, groundwater treatment ongoing)	Not a significant source	Former AFFF EmergencyResponse	Legacy Soil Impact from past training	Former Foam Dis-charge in Hangars	Spillage/overflow	No longer a significant ongoing source

Migration Pathway

Soil Impact Leaching to groundwater Groundwater migration Impact to vegetation	Groundwater impacted	PFAS Runoff to site surface water drains Sorbtion/leaching from pavements	PFAS Runoff to surface water drains Surface water leaching and runoff NB. Current system no discharge: water captured and treated. Groundwater ingress to drainage network when High groundwater levels	Foam / water runoff to trade waste drainage to Trade Waste Treatment Plant (Facility 480)	Treated water still containing PFAS discharged to Sewerage Treatment Plan (Facility 410) Leaching to groundwater Surface water losses from drainage and trade waste network Groundwater ingress to drainage network	Drain leakage to groundwater when water table is low (losing drains) Inflow of contaminated groundwater into drains when water table is high (gaining drains) Flow of impacted surface water and losses from drainage network Groundwater migration and ingress to drainage network

Receptor

Site fauna Site personnel HWC bores	Site fauna Site personnel	Site fauna Site personnel HWC bores	Site personnel	Site personnel	Site fauna Site personnel	Aquatic and terrestrial biota i.e. fish, eels, invertebrates, amphibians, birds, mammals (drinking)

AECOM

Not to Scale

SHEET 1 of 1 SIZE A3

TITLE
Figure F8: Conceptual Site Model

PROJECT
PMAP
RAAF BASE WILLIAMTOWN

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