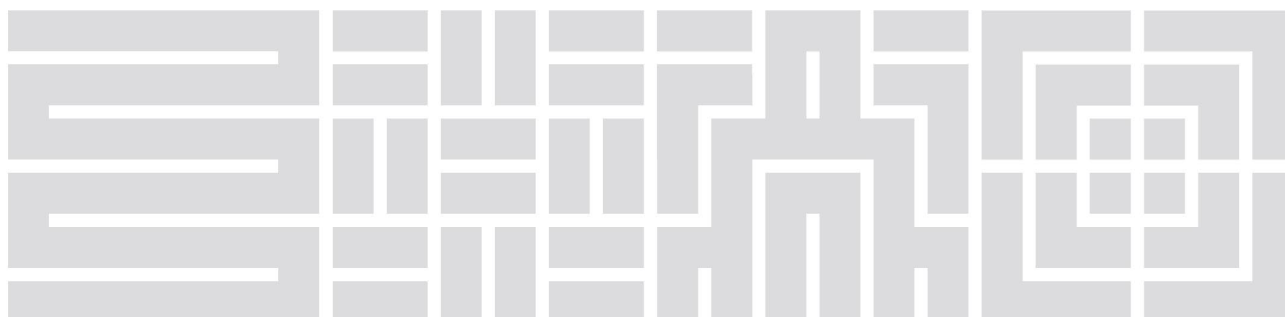

MULTI-STOREY RESIDENTIAL DEVELOPMENT 259-269 UNLEY ROAD, MALVERN

Detailed Site Investigation Report

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EXECUTIVE SUMMARY

Background information

Fyfe Pty Ltd (Fyfe) was engaged by Hygge Property (Hygge) to undertake a detailed site investigation (DSI) for the property located at 259-269 Unley Road, Malvern (the site).

The site is currently occupied by commercial tenancies and an open-air carpark. It is understood that the site is proposed to be redeveloped into multi-storey residential development while retaining the current Victorian-era commercial building on the northwest corner of the site.

In September 2025, Fyfe was engaged to conduct a preliminary site investigation (PSI) for the site in conjunction with a geotechnical assessment undertaken by CMW Geosciences (CMW). The PSI scope included the completion of a site history review and preliminary soil contamination assessment (or limited soil investigation – LSI).

The PSI identified the possible historical use of the site for petroleum storage or distribution, as well as importation of fill during redevelopment and furniture restoration trades as potentially contaminating activities (PCAs) for the site. No evidence of soil contamination was identified by the LSI.

Subsequent to its review of the PSI, the South Australia Environment Protection Authority issued a request for information (RFI) requiring further site contamination assessment in the form of a DSI.

Objectives

The objectives of the DSI were to assess:

- the nature and extent of any site contamination present on or below the surface of the land;
- the likely suitability of the land for the proposed use; and
- what remediation (if any) is necessary for the proposed use.

This investigation reported herein meets the requirements set out in the EPAs RFI.

Scope

The required DSI scope included the following:

- advancement of seven soil bores to depths at 2 m (BH08-BH10) to 6 m (BH04-BH07);
- conversion of one soil bore into a groundwater monitoring well (MW02);
- gauging and sampling the newly installed (MW02) and existing (MW01) groundwater monitoring wells;
- analysis of soil and groundwater samples for a selection of chemicals of potential concern (CoPC) considered relevant to the PCAs identified as part of the PSI/LSI;
- comparison of soil and groundwater analytical results to applicable human health and ecological screening criteria; and
- assess whether concentrations of CoPC in soil or groundwater may pose a potentially unacceptable risk to human health and/or the environment in the context of the proposed future land use.

Conclusions

Based on the results of the DSI, Fyfe concludes the following:

- Concentrations of CoPC in soil and groundwater do not pose an unacceptable risk to human health or the environment, and site contamination was not identified (in accordance with Section 5B of the *Environment Protection Act 1993*), in the context of the proposed high-density residential land use.
- The site is considered suitable for the proposed land use.
- The preliminary classification of soils for the purposes of off-site disposal and/or reuse is Low-Level Contaminated Waste for fill material and Waste Fill for natural soils. This waste classification is preliminary only and further assessment would be required to facilitate off-site disposal and/or reuse.

Limitations

The reader is referred to the limitations presented in Section 14 of this report.

1. INTRODUCTION

1.1 Background information

Fyfe Pty Ltd (Fyfe) was engaged by Hygge Property (Hygge) to undertake a detailed site investigation (DSI) for the property located at 259-269 Unley Road, Malvern (the site). A plan showing the location of the site is attached as Figure 1.

The site is currently occupied by commercial tenancies and an open-air carpark. It is understood that the site is proposed to be redeveloped into a multi-storey residential development while retaining the current Victorian-era commercial building on the northwest corner of the site.

In September 2025, Fyfe conducted a preliminary site investigation (PSI¹) for the site in conjunction with a geotechnical assessment undertaken by CMW Geosciences (CMW). The PSI scope included the completion of a site history review and preliminary soil contamination assessment (or limited soil investigation – LSI).

The findings of the PSI indicated that the site has been in continuous commercial use since the 1930s, with significant redevelopment occurring from the 1960s onward. Ownership of the two southern allotments by Commonwealth Oil Refineries Ltd and BP Australia Ltd during the 1950s–1970s was identified and considered to represent a potentially contaminating activity (PCA), although it was noted that no evidence of petroleum storage or distribution was evident in historical aerial photography. Other historical PCAs identified included the importation of fill during redevelopment and furniture restoration trades during the mid-twentieth century. Subsequent uses have been dominated by retail, service and parking, which were generally considered low risk for contamination. South Australia Environment Protection Authority (EPA) records confirmed petroleum hydrocarbon impacts to groundwater immediately north of the site at 245 – 255 Unley Road.

Laboratory analysis of the soil samples collected during the LSI did not identify contaminants of potential concern (CoPC) at concentrations that exceeded relevant human health or ecological screening criteria.

An EPA review of the PSI/LSI report undertaken as part of the development application (DA) process identified several site contamination related data gaps that limited the EPAs ability to determine the appropriate practitioner to prepare a statement of site suitability.

The EPA subsequently issued a request for information (RFI) requiring further site contamination assessment in the form of a DSI.

1.2 Objectives

The objectives of the DSI were to assess:

- the nature and extent of any site contamination present on or below the surface of the land;
- the likely suitability of the land for the proposed use; and
- what remediation (if any) is necessary for the proposed use.

¹ Fyfe (2025) *Multi Storey Residential Development, 259-269 Unley Road, Malvern – Preliminary Site Investigation Report*, dated 24 September 2025.

2. DATA QUALITY OBJECTIVES

Systematic planning and verification is critical to the successful implementation of a contaminated site investigation project. The Data Quality Objective (DQO) process, as described in Australian Standard AS4482.1-2005 and the ASC NEPM, involves a seven-step iterative planning approach to enable the project team to communicate the project goals and decisions, project constraints such as time and budget, assess project uncertainties and how they are to be addressed, and optimise the project specific sampling and analysis plan.

The DQO steps defined for the site are summarised in Table 2-1.

Table 2-1: Seven step DQO process

Step		Statement
1	<i>State the Problem</i>	The PSI (Fyfe, 2025) reported concentrations of all CoPC below adopted human health and ecological screening criteria. However, no groundwater data was obtained and a large portion of the site was not assessed. The site was considered to be at potential risk from: – historical petroleum industry ownership; – possible fill importation during redevelopment; – solvent use by furniture-related trades; and – multiple high-risk surrounding activities, including a former dry cleaner opposite the site.
2	<i>Identify the Decision</i>	To address the problems stated in Step 1, the following questions must be addressed: – Has the nature and extent of any site contamination been identified? – Is the site suitable for the proposed sensitive (residential) land use? – What remediation (if any) is necessary for the proposed use?
3	<i>Identify Inputs to the Decision</i>	Inputs used to address the objectives detailed in Section 1.2 include both existing site information, as summarised in Sections 3 and 4, as well as information obtained during this assessment program, include the following: – logs prepared during the drilling of the soil bores – including soil photoionization detector (PID) readings and records of any other indicators of potential contamination; – documentation and interrogation of the sampling and analytical methodologies, including relevant quality assurance (QA)/quality control (QC) measures; – the laboratory analytical results for soil and groundwater, with respect to the adopted assessment criteria detailed in Section 7; and – any additional relevant information obtained, or observations noted, by Fyfe personnel while on-site.
4	<i>Define the Study Boundaries</i>	The lateral study area is defined as the cadastral allotment boundary – refer attached plans and the identification details in Section 3.1. The vertical study area is defined as the maximum groundwater well depth, approximately 13 m below ground level (BGL).
5	<i>Develop a Decision Rule</i>	The ASC NEPM, relevant Australian Standards, Environment Protection Policies (EPPSs) and guideline documents have been used primarily to guide decisions on the methodology to be used to assess the site and the criteria to be adopted for the assessment of the analytical site data. The assessment criteria and risk assessment methodologies of the above documents have been used to determine what, if any, further assessment or other response actions are required.

Step		Statement
6	<i>Specify Limits on Decision Errors</i>	The purpose of establishing decision error tolerances is to set a limit on the acceptable degree of uncertainty upon which decisions are made, to avoid an incorrect decision being made and to support additional investigation, monitoring or remediation activities required for the protection of human health and the environment. There are two types of decision errors: – deciding the site is acceptable when it is not, thereby resulting in potential on-going risks, with no action when some was required; and – deciding the site is unacceptable when it is, thereby resulting in unnecessary action. The QC acceptance criteria, as detailed in Section 9, have been used to assess whether the DQOs have been met with respect to data quality.
7	<i>Optimise the Design</i>	The design has been guided by the ASC NEPM and available site information to meet the objectives presented in Section 1.2, the problems detailed in Step 1 of the DQOs and the recommendations presented in the PSI (Fyfe, 2025).

3. SITE CHARACTERISATION

3.1 Site identification

Property identification details are provided in Table 3-1.

Table 3-1 : Property identification details

Address	259–269 Unley Road, Malvern, South Australia 5061
Certificates of Title	CT5151/175, CT5151/176, CT6126/704 and CT6145/798
Property description	Allotments 179, 272 & 273, Deposited Plan 1153 and Allotments 3 & 4 Deposited Plan 102954
Current site owner	Malvern Land Partnership Pty Ltd
Local council	City of Unley
Zoning	Urban Corridor (Business) Zone
Current land use	Mixed commercial. Existing tenancies primarily include retail food outlets.
Proposed land use	Multi-storey residential redevelopment
Property area	3,418 m ²

3.2 Site description

A plan showing the layout of the site is attached as Figure 1 and site photographs are included in Appendix B of the PSI. A site inspection was undertaken by Fyfe on 27 August 2025. The key findings are summarised as follows:

- The site is generally flat with a slight slope down to the west / northwest.
- The site comprises a series of commercial buildings, one of which fronts Unley Road, with associated hardstand and car parking areas in the front forecourt area. The built form occupies the majority of the eastern portion, southern boundary and northwest corner of the site, with the remainder of the site used as open-air car parking.
- No access inside the buildings was available during the site inspection, although visual access was available for most tenancies. However, no visible access was available to the far eastern portion of the main commercial building.
- No evidence of fuel or chemical storage was observed.
- A groundwater monitoring well (now known as MW01) was identified on the southeast portion of the site but was not accessible during the site inspection.

3.3 Surrounding land uses

The current surrounding land uses are detailed in Table 3-2.

Table 3-2: Surrounding land uses

North	A mix of commercial premises fronting Unley Road, including a car wash to the immediate north across Eton Street, and residential properties to the northeast.
East	Residential
South	Commercial uses continuing along Unley Road, with residential dwellings located further to the south-east
West	Unley Road, with additional commercial properties and a school on the opposite frontage beyond.

3.4 Regional and local conditions

The regional and more localised conditions are summarised in Table 3-3.

Table 3-3: Summary of regional and local conditions

Topography	The site and surrounding landform is generally flat to gently sloping, with surface elevations around 50 m–60 m AHD.
Geology and soils	The area is underlain by Quaternary sediments of the Adelaide Plains. These include the Pooraka Formation, consisting of clay, sand, carbonate-rich earth and occasional gravel lenses, and the Keswick Clay, which is dominated by swelling clays with rare sand lenses. The area is characterised predominantly by hard, alkaline red soils, with smaller patches of cracking clay soils. Hard, alkaline yellow mottled soils are also present, along with minor occurrences of other soil types. In the stream valleys, various alluvial soils are found, though these remain unclassified.
Acid sulfate soils	The site has a low probability of encountering acid sulfate soils.
Hydrology	There are no natural surface water features on the site. Local drainage is connected to the urban stormwater network. The nearest natural surface water features are Glen Osmond Creek, located approximately 1 km to the north, and Brown Hill Creek situated roughly 900 m southwest of the site.
Hydrogeology	The site overlies a shallow Quaternary aquifer system associated with the Adelaide Plains sediments. Nearby drillhole records indicate the presence of the Hindmarsh Clay within the local geological sequence. No groundwater bores are present on the site itself. Groundwater in the surrounding area is generally encountered at depths between three and eleven metres below ground level, with salinity typically in the fresh to brackish range.

3.5 Local groundwater use

Based on a search of the Department for Environment and Water (DEW, 2026) *WaterConnect* bore database provided in Appendix F, there are 731 registered bores located within a 2 km radius of the site. Of these, 723 were listed as groundwater bores with 40 of these listed as abandoned or backfilled. Of the remaining 683, the following purposes were listed, noting that 259 had no purpose recorded:

- 231 for domestic use;
- 185 for investigation, observation, environmental or monitoring;
- seven for irrigation; and
- one for town water supply.

SWL information was recorded for 486 of the 683 bores and ranged from 0.61 m to 38.4 m BGL, with the majority of recorded SWLs below 10 m BGL. Salinity measurements were recorded for 373 of the bores and ranged from 66 mg/L to 3,327 mg/L, indicative of fresh to brackish groundwater.

4. PREVIOUS ENVIRONMENTAL REPORTS

Table 4-1 provides a summary of the previous environmental investigations undertaken at the site.

Table 4-1: Summary of previous environmental reports

Fyfe (2025) Preliminary Site Investigation	
Scope of work	The scope of work included: – desktop site history; – drilling three bores on-site; – converting one soil bore to a groundwater monitoring wells (MW01). – sampling and logging soil samples collected from each soil bore; and – analysing groundwater samples for total recoverable hydrocarbons (TRH), benzene, toluene, ethylbenzene, xylene and naphthalene, (BTEXN), metals, phenols, polycyclic aromatic hydrocarbons (PAH), tetrachloroethylene (PCE), organochlorine and organophosphorus pesticides (OCP/OPP), polychlorinated biphenyls (PCB), asbestos and per- and polyfluoroalkyl substances (PFAS).
Results	The results were interpreted to indicate the following: – Fill was recorded in all three boreholes. – No clear signs of anthropogenic contamination were noted in the borehole log.; – No hydrocarbon odours or staining were recorded during logging. – Groundwater was intersected at 6.75 m BGL in BH01 and 6.8 m BGL in BH02. – Reported concentrations of all CoPC were below the adopted human health and ecological screening criteria for the locations assessed. – The preliminary chemical classification of both fill and underlying natural soils assessed, for the purpose of off-site disposal, was Waste Fill.
Conclusions and Recommendations	It was concluded that: – While there is no direct evidence of on-site contamination, the site is considered to be at some risk due to: historical petroleum industry ownership, potential fill importation during redevelopment, solvent use by furniture-related trades and multiple high-risk activities in close proximity, including a former dry cleaner directly opposite the site. – A DSI should be undertaken to address the identified data gaps and confirm whether the site is suitable for the proposed sensitive (residential) use.

5. SCOPE OF WORK

5.1 Soil investigations

The scope of work undertaken in April 2026 included the following:

- drilling four soil bores (BH04-BH07) to a depth of 6 m BGL and three soil bores (BH08-BH10) to a depth of 2 m BGL;
- logging of soils in general accordance with Australian Standard AS 1726:2017 – *Geotechnical Site Investigations*, which including noting the physical characteristics, evidence of contamination (staining, odour), and the presence of any waste;
- field screening of a portion of the soil samples recovered from each borehole with a PID to assess for volatile compounds in the soil pore space;
- collection of soil samples at regular depths throughout the soil profile and/or at horizons corresponding to changes in lithology, colour and/or evidence of potential contamination such as odour, staining or elevated PID readings.
- collection of appropriate quality assurance (QA) and quality control (QC) soil samples;
- consigning the recovered soil samples to an analytical laboratory accredited by the National Association of Testing Authorities (NATA) for analysis of a selection of CoPC considered relevant to the PCAs identified as part of the PSI/LSI, as well as those analytes included within the SA Waste Screen and/or ASC NEPM Health Investigation Levels (HIL) suites of analytes:
 - heavy metals²;
 - TRH;
 - BTEXN;
 - OCP and OPP;
 - PAH;
 - PFAS;
 - asbestos (presence/absence);
 - a broad suite of CoPC identified in the NEPM HIL Screen³; and
 - a broad suite of CoPC identified in the SA Waste Screen⁴

Soil bore locations are shown on the attached Figure 1 and soil bore logs are provided in Appendix A.

5.2 Groundwater investigation

The scope of work undertaken in April 2026 included the following:

- advancement of one soil bore (BH07) to a depth of 9 m BGL and converted to a groundwater monitoring well (MW02);
- developing the newly installed monitoring well to improve hydraulic conductivity with the aquifer formation;

² Metals include arsenic, cadmium, chromium, copper, lead, mercury, nickel and zinc

³ NEPM HIL Screen includes PAH, phenols, OCP, aromatic hydrocarbons (AH), atrazine, chlorpyrifos, bifenthrin, PCB, TRH, BTEXN, metals and cyanide (free).

⁴ SA Waste Screen includes 13 metals, TRH, BTEXN, PAH, phenols, OCP, PCB and total cyanide.

- gauging and sampling the newly installed (MW02) and existing (MW01) groundwater monitoring wells using the zero-purge methodology (HydraSleeve™);
- collection of groundwater samples and appropriate QA/QC samples;
- consigning the recovered groundwater samples to an analytical laboratory accredited by NATA for a selection of CoPC:
 - TRH;
 - BTEXN;
 - PAH;
 - phenols;
 - lead;
 - methyl tert-butyl ether (MTBE);
 - OCP/OPP; and
 - limited chlorinated hydrocarbons.

Well locations are shown on the attached Figure 1, groundwater well construction logs are provided in Appendix A and well development logs are provided in Appendix B. Well construction details are summarised in Table 5-1.

Table 5-1: Well construction details

Well ID	Location	Drilled Depth (m BGL)	Cased depth (m BGL)	Screened interval (m BGL)
MW02	Carpark in the northern portion of the site.	9.0	0-4.5	4.5 – 9.0

5.3 Quality control sampling

5.3.1 Soil

The soil QC sampling and analysis program is summarised in Table 5-2.

Table 5-2: Summary of soil QC analytical program

Analyte	Number of samples analysed			% QC samples relative to primary samples	Number of blank samples analysed	
	Primary	Intra-lab duplicates	Inter-lab duplicates		Rinsate	Trip
Metals	15	3	2	33%	2	
TRH	9	3	2	55%	-	2*
BTEXN	9	3	2	55%	-	2
OCP/OPP	7	3	2	71%	-	-
PAH	9	3	2	55%	-	-
PFAS	3	2	1	100%	1	-

Analyte	Number of samples analysed			% QC samples relative to primary samples	Number of blank samples analysed	
	Primary	Intra-lab duplicates	Inter-lab duplicates		Rinsate	Trip
Phenols	9	3	2	55%	-	-
PCB	4	1	1	50%	-	-

Notes:

*C₆-C₉ and C₆-C₁₀ TRH only

5.3.2 Groundwater

The groundwater QC sampling and analysis program is summarised in Table 5-3.

Table 5-3: Summary of groundwater QC analytical program

Analyte	Number of samples analysed			% QC samples relative to primary samples	Number of blank samples analysed	
	Primary	Intra-lab duplicates	Inter-lab duplicates		Rinsate	Trip
TRH	2	1	1	100%	1	1*
BTEXN	2	1	1	100%	1	-
MTBE	2	1	1	100%	-	-
PAH	2	1	1	100%	1	-
Phenols	2	1	1	100%	1	-
OCP/OPP	2	1	1	100%	-	-
Lead	2	1	1	100%	1	-
Limited CHCs	2	1	1	100%	-	-

Notes:

*C₆-C₉ and C₆-C₁₀ TRH only

6. METHODOLOGY

6.1 Guidance

The field investigation program was undertaken with reference to the following guideline documents:

- Australian Standard AS4482.1:2005 - *Guide to the investigation and sampling of sites with potentially contaminated soil: Part 1 - Non-volatile and semi-volatile compounds.*
- Australian Standard AS4482.1:1999 – *Guide to the sampling and investigation of potentially contaminated soil: Part 2 – Volatile substances;*
- Australian Standard AS1726:2017 – *Geotechnical Site Investigations;*
- Australian/New Zealand Standard AS/NZS 5667.11:1998 - Water Quality Sampling, Part 11: Guidance on Sampling of Groundwaters.
- National Environment Protection (*Assessment of Site Contamination*) Measure, 1999 (the ASC NEPM, as amended in 2013).
- SA EPA (2013) *Standard for the production and use of Waste Derived Fill* (the WDF Guideline)
- SA EPA (2019a) *Guidelines for the Assessment and Remediation of Site Contamination.*
- SA EPA (2019b) *Guidelines for Regulatory Monitoring and Testing – Groundwater Sampling*
- State Planning Commission (2025) *Practice Direction 14 Site Contamination* (the PD14)
- Victorian EPA (2009) Publication IWRG 702, *Soil Sampling* (as adopted by the ASC NEPM).

6.2 Field methodologies

Prior to the commencement of the field investigations, a site-specific Job Safety Analysis (JSA) document was prepared – all personnel working at the site were required to read, understand, sign and conform to the JSA. In addition, Before You Dig Australia (BYDA) plans were reviewed for the presence of underground services and a professional service location company was contracted to clear each proposed sampling location before any intrusive investigations were commenced.

As the scope of work included PFAS assessment, the following additional precautions, as detailed in HEPA (2020) and WA DER (2017), were adhered to during time on-site (including during the sampling process):

- New clothing/footwear was not worn on-site.
- Fast food wrappers, Glad Wrap®, Teflon® coated materials, aluminium foil and stickers/labels were not used on/brought onto the site.
- Personal care products, such as sunscreen, moisturisers or cosmetics, were not worn or applied on-site.
- Detergents were not used for equipment decontamination.

The field methodologies are summarised in Table 6-1 to 6-3.

Table 6-1: Soil Sampling Methodology

Activity	Details
Drilling method	Drilling of the soil bores were undertaken by a licensed drilling company using hang auger and solid flight auger techniques.
Soil logging and sampling	Soil cores were discharged into clean core trays and gloved hands used to recover samples – disposable nitrile gloves were worn by field personnel and changed prior to the collection of each sample. All soil cuttings recovered were logged with reference to Australian Standard 1726-2017, with particular consideration of any potential indicators of contamination. To assess the soil for the presence of volatile organic compounds (VOCs), a portion of each recovered sample was sealed into a sealed plastic bag, broken up while in the bag, rested for a minimum of five minutes to allow for equilibration and screened using a hand-held photoionization detector (PID) unit. Soil samples were collected from discrete depths throughout the soil profile – i.e., corresponding to changes in lithology, colour and/or evidence of potential contamination such as odour, staining, or elevated PID readings. Soil bore logs, including soil descriptions and PID readings, are included in Appendix A.
Sample preservation and transportation	Soil samples were collected in laboratory-supplied screw top bottles with headspace minimised. Samples were chilled during storage and transport to the analytical laboratory.
Equipment decontamination	Re-usable equipment was decontaminated between sampling locations using potable water and Liquinox™ phosphate- and PFAS-free detergent.
Waste disposal	Soil cores/cuttings were used to reinstate the soil bores – any surplus soil was collected in drums for appropriate off-site disposal by a licenced waste contractor.

Table 6-2: Groundwater well installation methodology

Activity	Details
Well construction permits	A well construction permit was obtained from DEW prior to the well installation. A copy of the permit is included in Appendix C.
Drilling method	Drilling and installation of the groundwater well was undertaken by a licensed drilling company using hand auger and solid flight auger techniques.

Activity	Details
Soil logging and sampling	Soil sampling and logging was undertaken during well drilling in accordance with Table 6-1.
Well construction	The monitoring well was constructed with 50 mm diameter, class 18 uPVC casing and a 4.5 m long machine slotted screen, in accordance with the guidance provided in National Uniform Drillers Licensing Committee (2020). A filter pack, comprising clean graded sands of suitable size to provide sufficient inflow of groundwater, was installed within the annular space between the borehole and the well casing. The filter pack extended from the base of the screened interval to 0.5 m above the termination of the slotted casing. To minimise the likelihood of surface water or perched groundwater infiltrating the aquifer, a bentonite plug, comprising pelleted or granulated bentonite, was placed to a thickness of 0.5 m above the filter pack sands. Grout was placed above the bentonite to seal the bore to the ground surface and the bore was completed with a flush mounted Gatic™ cover. Well construction details are presented in the logs in Appendix A.
Well development	Following installation, the well was developed by purging four well volumes from the casing with a disposable high-density polyethylene (HDPE) bailer to improve hydraulic connectivity with the aquifer formation. The well development record is included in Appendix B
Waste disposal	Waste soil and groundwater generated during drilling and well development, respectively, were collected for off-site disposal by a licenced waste contractor.

Table 6-3: Groundwater sampling methodology

Activity	Details
Timing	Wells were gauged and sampled 11 days after installation and development of MW02.
Well gauging	Wells were gauged for standing water level (SWL) and the presence of light non-aqueous phase liquid (LNAPL) using an electronic interface probe (IP) before sampling commenced.
Sampling methods	The groundwater gauging and field sampling sheets are included in Appendix B. The wells were sampled using the HydraSleeve™ sampling method as follows: – A new HydraSleeve™ was prepared by attaching a stainless-steel weight to the bottom and a wire tether clip to the throat. – The HydraSleeve™ was lowered into the water column to the desired depth and allowed to fill. – The HydraSleeve™ was left in place overnight and was then quickly and smoothly withdrawn from the well to ensure minimal disturbance. The water collected in the sleeve was transferred to the appropriate sample containers. – A single set of water quality parameters was measured in the water volume remaining in the sleeve after the samples had been decanted. Disposable nitrile gloves worn by field personnel were changed prior to the collection of each sample.
Sample preservation and transportation	Groundwater samples were collected in laboratory-supplied screw top bottles, containing appropriate preservative where required, with headspace minimised. Samples were chilled during storage and transport to the analytical laboratory.
Equipment decontamination	All disposable equipment was replaced between wells. Re-usable equipment, including the IP, was decontaminated between sampling locations using potable water and Liquinox™ phosphate- and PFAS-free detergent.
Wastewater disposal	Water removed during well purging was collected for off-site disposal by a licenced waste contractor.

7. ASSESSMENT CRITERIA

In order to assess the relative concentration and significance of any potential contaminants detected through laboratory analysis it is usual to reference established screening criteria. The contaminant screening criteria represent threshold concentrations of specific contaminants that, if exceeded in a particular sample, may pose a human health or environmental risk and therefore warrant further site-specific investigation or risk analysis.

7.1 Soil

7.1.1 Human health and ecological criteria

The ASC NEPM sets out the basis for assessing the significance of soil contamination. Based on an understanding that the site's proposed future use is multi-storey residential, the following ASC NEPM investigation and screening levels have been adopted to assess the suitability of site soils for this particular land use:

- HIL-B values for residential (with minimal opportunities for soil access) land use and a range of organic and inorganic contaminants;
- HSL-B values for residential (with minimal opportunities for soil access) land use and soil vapour intrusion;
- EILs for urban residential and public open space land use – site specific levels used;
- ESLs for urban residential and public open space land use; and
- management limits: management limits for residential, parkland and public open space land use, which are based on a consideration of the formation of LNAPL, fire and explosive hazards and effects on buried services.

The ASC NEPM HSL, ESLs, and management limits are dependent upon soil type, while HSLs are also dependent upon the depth of contaminants from potential receptors. For purposes of the soil assessment, HSLs relevant to sandy soils and a contaminant depth of 0 m – > 4 m BGL, ESLs relevant to coarse-grained soils, and management limits relevant to coarse-grained soils were conservatively adopted.

The ASC NEPM EILs for several metals are dependent upon the physico-chemical qualities of soils. Soil samples from shallow fill soil (BH05_0.1-0.2) and deeper natural soil (BH04_1.9-2.0) were submitted for laboratory analysis of these parameters. EILs for chromium, copper, nickel and zinc were calculated using the ASC NEPM Ecological Investigation Level Calculation Spreadsheet, which are attached in Appendix D, and the results of this analysis.

The ASC NEPM urban residential and public open space ESL (0.7 mg/kg) for benzo(a)pyrene (B(a)P) was adopted from environmental health soil quality guidelines developed by the Canadian Council of Ministers of the Environment (CCME) in 1997. The Canadian guidelines were subsequently revised in 2010, with a value of 20 mg/kg B(a)P adopted as the environmental soil quality guideline for residential/parkland (CCME, 2010).

An email issued by SA EPA in July 2015, presented in Appendix E, recognised this discrepancy, and the fact that the adoption of a B(a)P ESL of 0.7 mg/kg by the ASC NEPM was based on limited data and its use could therefore be overly-conservative. The EPA stated that the adoption of the corresponding ASC NEPM HIL B(a)P toxic equivalency quotient (TEQ) criterion of 3 mg/kg could be considered as sufficiently protective of ecological receptors for use as a Tier 1 investigation level. Soil B(a)P data have therefore been screened against this criterion.

The following screening criteria were also adopted from Friebe and Nadebaum (2011):

- HSL-B direct contact criteria for residential (with minimal opportunities for soil access) land use;

- HSL direct contact criteria for intrusive maintenance workers; and
- HSL vapour intrusion criteria for intrusive maintenance workers and sandy soils.

As PFAS were analysed in soil, relevant criteria were adopted from HEPA (2025), as follows:

- ecological guideline values for perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA); and
- HIL-B criteria for PFOA and sum of PFOS + perfluorohexanesulfonic acid (PFHxS) (including the individual PFOS and PFHxS) for residential (with minimal opportunities for soil access) land use.

With respect to asbestos in soils, the primary assessment criterion adopted was the absence of visible asbestos, as fragments of asbestos containing material (ACM), on surface soils, in accordance with Section 4.8 of Schedule B1 of the ASC NEPM. Additionally, the ASC NEPM outlines a health screening level for asbestos in soil, based on the land use on the site. This criterion has been adopted:

- HSL-B (residential with minimal opportunities for soil access) bonded ACM 0.04% w/w, friable asbestos 0.001% w/w.

7.1.2 Waste classification criteria

Soil analytical data were compared against the waste soil disposal guidelines published in EPA (2010). Chemical concentrations were compared against the following chemical criteria:

- Waste Fill;
- Intermediate Waste; and
- Low-Level Contaminated Waste.

In addition to these chemical criteria, waste soils are also required to meet the physical requirements for Waste Fill in order to be classified as such. The physical Waste Fill definition (as defined in Part 1 of the *Environment Protection Regulations 2023*) defines a suitable waste as consisting of clay, concrete, rock, sand, soil or other inert mineralogical matter in pieces not exceeding 100 mm in length, but not including waste consisting of or containing asbestos or bitumen.

7.2 Groundwater

7.2.1 Environmental values and EPA recognised criteria

In accordance with SA EPA (2019a), the following four-step process was undertaken to assess the environmental values of groundwater within the uppermost aquifer beneath the site and surrounding area.

Step 1: Determination of protected environmental values using the *Environment Protection (Water Quality) Policy 2015* (WQ EPP)

Based on the most conservative salinity value of approximately 1,554 mg/L TDS recorded in MW02 during groundwater sampling, the following environmental values for underground waters with a background TDS level of more than 1,200 mg/L and less than 3,000 mg/L are considered applicable:

- primary industries – livestock drinking water;
- primary industries – aquaculture and human consumption of aquatic foods, and
- primary industries – irrigation.

Step 2: Application of a buffer distance for protection of surface waters

As detailed in Section 3.4, surface water bodies within 2 km of the site include Brown Hill Creek, located approximately 900 m southwest of the site, and Glen Osmond Creek, located approximately 1 km north of the site.

Based on the above, freshwater aquatic ecosystems and non-domestic recreational uses are considered to be relevant environmental values of groundwater to be protected.

Step 3: Review of available groundwater data using *WaterConnect*

As discussed in Section 3.5, registered bores have been identified as potentially accessing a Quaternary aquifer(s) within a 2 km radius of the site. Therefore, the following environmental values are considered applicable:

- potable;
- primary contact recreation – in a domestic setting;
- primary industries – irrigation and general uses; and
- industrial.

Step 4: Application of SA EPA recognised criteria

Based on the results of Steps 1 to 3, and taking account of the hierarchy of environmental values and the EPA recognised criteria detailed in SA EPA (2019a), the following environmental values are considered applicable:

- potable;
- recreation and aesthetics;
- freshwater aquatic ecosystem protection;
- primary industries – livestock watering;
- primary industries – aquaculture and human consumption of aquatic foods;
- primary industries – irrigation; and
- industrial.

Groundwater assessment criteria have been derived from the sources detailed in Table 7-1 – no criteria are available to specifically address the suitability of groundwater for industrial use.

Table 7-1: Sources of groundwater screening criteria

Environmental value	Reference	Note
Potable	NHMRC/NRMMC (2011) <i>Australian Drinking Water Guidelines</i> – health and aesthetic values	
	WHO (2022) <i>Guidelines for Drinking-water Quality</i>	1
	CRC CARE (2016) <i>Guidance for the Assessment, Remediation and Management of MTBE</i> – odour-based screening value for MTBE	
Recreation and aesthetics	NHMRC (2008) <i>Guidelines for Managing Risks in Recreational Water</i> – based on NHMRC/NRMMC (2011) <i>Australian Drinking Water Guidelines</i> but, with the exception of aesthetic and volatile guidelines, multiplied by a factor of 10 to take account of accidental ingestion rates, as opposed to deliberate ingestion	2
	WHO (2022) <i>Guidelines for Drinking-Water Quality</i>	1,2
	CRC CARE (2016) <i>Guidance for the Assessment, Remediation and Management of MTBE</i> – odour-based screening value for MTBE	

Environmental value	Reference	Note
Aquatic ecosystem protection – freshwater	ANZG (2018) <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality</i> – trigger values for freshwater (95% species protection)	3
	Netherlands MHSPE (2009) <i>Soil Remediation Circular 2009</i> – mineral oil value used to assess >C ₁₀ TRH	
	CRC CARE (2016) <i>Guidance for the Assessment, Remediation and Management of MTBE</i> – ecological screening level for MTBE, freshwater	
Primary industries – Livestock watering	ANZECC/ARMCANZ (2000) <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality</i> – livestock drinking water quality values	
	NHMRC/NRMMC (2011) <i>Australian Drinking Water Guidelines</i> and WHO (2022) <i>Guidelines for Drinking-water Quality</i> – health values adopted for pesticides where specific livestock watering criteria are absent	4
Primary industries – Aquaculture (freshwater / saltwater / tainting of fish flesh & other organisms)	ANZECC/ARMCANZ (2000) <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality</i> – guidelines for the protection of cultured fish, molluscs and crustaceans & guidelines for the protection of human consumers of aquatic foods	
Primary industries – Irrigation	ANZECC/ARMCANZ (2000) <i>Australian and New Zealand Guidelines for Fresh and Marine Water Quality</i> – long-term irrigation values	

Notes:

1 WHO guidelines have been adopted only where no NHMRC/NRMMC (2011) exist for a CoPC.

2 The NHMRC (2008) guidelines are adjusted by a factor of 10 to account for accidental consumption, with the exception of aesthetic criteria, volatile contaminants or contaminants that can cause skin irritation.

3 Higher level (99%) species protection adopted where advised by ANZG, due to effects such as bioaccumulation.

4 As advised by ANZECC/ARMCANZ (2000)

7.2.2 Additional criteria

The ASC NEPM groundwater HSL A&B, for vapour intrusion in low-high density residential land use scenarios, respectively, have been adopted to assess the TRH and BTEXN concentrations, assuming a depth to groundwater of 4 m to 8 m BGL based on the most recent gauging levels of approximately 5.256 m to 6.541 m BGL and a sandy soil profile, as conservatively inferred for the site.

Friebel and Nadebaum (2011) also includes groundwater HSLs for vapour intrusion in an intrusive maintenance worker in a shallow trench scenario to assess TRH and BTEXN concentrations; however, the values are all not limiting.

8. RESULTS

8.1 Soil

8.1.1 Field observations

The soil bore/groundwater well log reports are included in Appendix A⁵ and provide details of the soil profile encountered at the site.

Fill material was encountered beneath the site, to depths generally ranging from 0.4 m to 1.0 m BGL. Fill generally comprised of grey and brown sands and gravelly sands, fine to coarse grained, dry and loose. Underlying natural soil comprised brown and dark brown clays and sandy clays of medium plasticity, dry and firm. No odours, staining or anthropogenic inclusions were observed in the encountered soils.

Recorded PID readings were less than 5 ppm for all samples assessed, indicating negligible concentrations of ionisable volatile compounds within the soil pore space. No evidence of suspected asbestos-containing materials (ACM) was observed on the surface of the site at bore locations, nor in the underlying soils assessed.

8.1.2 Laboratory analytical results

A summary of the soil analytical results, including the historical results from the PSI, is provided in the attached Table 1 and Table 2, whereas copies of laboratory certificates and signed COC documents are included in Appendix G.

8.1.2.1 Human health and ecology

Reported concentrations of all CoPC were below the adopted residential (with minimal opportunities for soil access) human health and ecological criteria, with the exception of the following exceedances in fill sample BH04, at a depth of 0.4 m – 0.5 m BGL:

- benzo(a)pyrene exceeded the adopted ESL for urban residential and public open space land use; and
- benzo(a)pyrene TEQ exceeded the adopted HIL for residential (with minimal opportunities for soil access) land use.

A statistical analysis of the benzo(a)pyrene and benzo(a)pyrene TEQ concentrations was undertaken for all fill samples. The software program ProUCL was used to calculate the 95% upper confidence limit (UCL) of the mean concentration of each analyte. Table 8-1 summarises the statistical review, with the ProUCL outputs provided in Appendix H.

⁵ Soil bore/groundwater well logs from the 2025 LSI are provided in Appendix H of the Fyfe (2025) Preliminary Site Investigation report.

Table 8-1: Statistical analysis summary for human health and ecology

Analyte	Criterion (mg/kg)	Guidance Requirement			Summary
		Maximum concentration <250% of the criterion	Standard Deviation <50% of the criterion	95% UCL mean concentration less than the criterion	
Benzo(a)pyrene	3	3.7	0.898	1.274	Benzo(a)pyrene concentrations within the dataset are compliant with the ESL criterion.
Benzo(a)pyrene TEQ calc (zero)	4	5.9	1.507	1.814	Benzo(a)pyrene TEQ calc (zero) concentrations within the dataset are compliant with the HIL criterion.

The reported 95% UCLs for both benzo(a)pyrene and benzo(a)pyrene TEQ calc (zero) are compliant with the ESL and HIL criteria, respectively.

No asbestos fibres were reported in the samples analysed in accordance with AS4964.

8.1.2.2 Preliminary waste classification

Reported concentrations of several CoPC exceeded the Waste Fill and Intermediate Waste criteria in several fill samples, as detailed below in Table 8-2, but were below the Low-Level Contaminated Waste criterion.

Reported concentrations of other CoPC in the remaining fill soil samples and all natural soil samples were below the Waste Fill criteria for all samples assessed.

Table 8-2: Soil results exceeding waste disposal criteria

Borehole	Depth (m BGL)	CoPC	Waste disposal criteria exceeded			Waste disposal classification		
			Waste Fill	Intermediate Waste	Low-Level Contaminated Waste	Intermediate Waste	Low-Level Contaminated Waste	Greater than Low-Level Contaminated Waste
BH04	0.4 – 0.5	Benzo(a)pyrene	X	X			X	
		Total PAH	X	X				
BH06 (as QC2)	0.1 – 0.2	Total PAH	X			X		
BH09	0.15 – 0.25	Benzo(a)pyrene	X				X	
		Total PAH	X					
		Aldrin & Dieldrin	X	X				

The preliminary classification for the soils assessed, for the purposes of off-site disposal and/or reuse, is therefore Low-Level Contaminated Waste for fill soils (soils generally ranging to a depth of 1.0 m BGL) and Waste Fill for the underlying natural soils.

If soils are proposed for off-site disposal and/or reuse as part of the development, a formal waste classification assessment will be required. This assessment should account for the depth of excavation and ensure that the adequate number of soil samples are collected in accordance with the relevant guidelines.

8.2 Groundwater

8.2.1 Field results

Groundwater field gauging and sampling sheets are included in Appendix B and the data summarised below in Table 8-3.

The recorded depth to groundwater ranged from 5.256 m (MW02) to 6.541 m BGL (MW01).

Table 8-3: Summary of groundwater field parameters at the time of sampling

Well ID	Date	pH	EC	TDS*	Temp	Redox	DO	Comments
			(mS/cm)	(mg/L)	(°C)	(mV)	(ppm)	
MW01	28/04/26	7.08	3.54	2,124	21.5	-25.1	1.44	Colourless, slight turbidity, no odour, no sheen
MW02	28/04/26	7.12	2.59	1,554	21.5	49.9	2.70	Colourless, moderate turbidity, no odour, no sheen

*TDS calculated as EC (mS/cm) x 600

Abbreviations: EC = electrical conductivity, TDS = total dissolved solids, DO = dissolved oxygen

The measured water quality parameters have been interpreted to indicate the following conditions in the uppermost aquifer beneath the site:

- groundwater pH ranging from 7.08 to 7.12, indicative of generally neutral conditions;
- field EC measurements ranging from 2.59 mS/cm to 3.54 mS/cm, or approximately 1,554 mg/L to 2,124 mg/L TDS (calculated as EC (mS/cm) x 600), indicative of fresh conditions;
- groundwater temperature of 21.5°C for both monitoring wells;
- redox measurements ranging from -21.5 mV and 49.9 mV, indicative of mildly reducing conditions.
- DO concentrations ranging from 1.44 ppm and 2.70 ppm, indicative of moderately oxygenated conditions.
- No hydrocarbon odours or LNAPL were noted in any of the wells, nor was sheen was identified in purge water.

8.2.2 Laboratory analytical results

The groundwater analytical results are summarised in the attached Table 5, whereas copies of laboratory certificates and signed COC documents are included in Appendix G.

The reported concentrations of TRH C₁₀-C₃₆ in monitoring well MW01, as well as TRH C₁₀-C₃₆ and TRH C₁₀-C₄₀ for the corresponding inter-laboratory duplicate sample QC2, exceeded the adopted screening criteria for freshwater aquatic ecosystem protection.

TRH silica gel clean-up was undertaken on the primary sample MW01 to remove polar hydrocarbons which may be biogenic in nature, and the sample reanalysed for TRH. The reported concentrations following this reanalysis, considered to indicate the levels of petrogenic hydrocarbons present. These concentrations were below the adopted screening criteria and are therefore not considered to pose an unacceptable risk to human health or the environment, nor to comprise site contamination.

Reported concentrations of other CoPC were below the adopted screening criteria for all samples assessed.

9. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Tabulated analytical results for the primary and QC samples are presented in Tables 1 – 4 for soil and Tables 5 – 7 for groundwater. The results of internal laboratory QC procedures are provided within the laboratory analysis reports in Appendix G.

Table 9-1 indicates conformance to specific QA/QC procedures. In summary, the analytical data were deemed to be of acceptable quality for the purpose of this assessment.

Table 9-1: Data validation

QA/QC requirement	Completed	Comments
Field instruments calibrated before use	Yes	The field equipment was calibrated by the hire company prior to use – calibration documentation is provided in Appendix I.
Samples kept chilled	Yes	Immediately upon collection, the soil and groundwater samples were placed into chilled insulated coolers, where they remained during transport to the analytical laboratories. On receipt, as shown in the sample receipt notification included in the analytical certificates, an attempt to chill was evident.
Samples delivered to laboratory within sample holding times and with correct preservative	Yes	Primary and QC samples were delivered to the laboratories within the specified holding times and in laboratory-supplied containers prepared with appropriate preservatives (where required).
Samples extracted/analysed within sample holding times	Mostly	Samples were mostly extracted within the laboratory-specified holding times. Exceptions were as follows: – Eurofins report 1358109 (groundwater): sample for TRH (Silica Gel Cleanup) analysis were extracted 7 days late. Due to the generally non-volatile nature of the hydrocarbon fractions assessed following the silica gel cleanup and reanalysis, the minor hold time exceedance noted is not considered to materially affect confidence in the laboratory analytical results.
Analyses National Association of Testing Authorities (NATA) accredited	Yes	Eurofins Environmental Testing (Eurofins) and Australian Laboratory Services (ALS) are NATA accredited for the analyses performed. Where analytes were not NATA accredited (the summation of certain analytes), these were not considered to be material to the investigation conclusions.
Acceptable laboratory limits of reporting (LOR)	Mostly	The laboratory LOR for soil were all below the adopted assessment criteria. Although the laboratory LOR for groundwater were also mostly below the adopted assessment criteria, the LOR for several phenols, PAHs, OCPs and OPPs exceeded some of the adopted screening criteria. These exceedances are not considered to materially affect the investigation conclusions.
Required number of field QC samples analysed - soil	Yes	As summarised in Section 5.3.1, five field duplicate samples were submitted for analysis. This is compliant with the ASC NEPM recommendations.
Required number of field QC samples analysed - groundwater	Yes	As summarised in Section 5.3.2, two field duplicate samples were submitted for analysis. This is compliant with the ASC NEPM recommendations.

QA/QC requirement	Completed	Comments
Duplicate sample pairs reported acceptable relative percentage differences (RPDs) – Soil	Mostly	RPD values for duplicate analyte pairs were generally less than 30% or otherwise demonstrated acceptable precision where they were able to be calculated (i.e., reported concentrations in both samples). Exceptions included the following: – barium in BH07_2.9-3.0 with intra-laboratory QC7 and inter-laboratory QC8; and – manganese in BH07_2.9-3.0 with intra-laboratory QC7 The elevated RPDs for barium and manganese may indicate reduced laboratory accuracy for these analytes. However, based on the concentrations relative to the adopted assessment criteria, this reduced accuracy is not considered material to the outcomes of the investigation.
Duplicate sample pairs reported acceptable relative percentage differences (RPDs) – Groundwater	Yes	RPD values for duplicate analyte pairs were all less than 30% or otherwise demonstrated acceptable precision where they were able to be calculated (i.e., reported concentrations in both samples).
Acceptable blank sample results	Yes	Analyte concentrations in the equipment rinsate blank samples were less than the laboratory LOR, indicating that the decontamination procedure was effective, and that cross-contamination had not adversely impacted sample integrity. Analyte concentrations within the trip blank samples were less than the laboratory LOR, indicating that cross-contamination of volatiles did not occur during sample transport.
Acceptable laboratory QA procedures	Yes	The laboratory QA procedures were g considered acceptable. Exceptions include the following: – ALS report EM2606944 (soil): insufficient matrix spike samples were analysed for volatile organic compounds. – ALS report EW2607629 (groundwater): insufficient laboratory duplicate and matrix spike samples were analysed for PAH/phenols. These deficiencies were not considered material to the overall reliability of the analytical data.
Acceptable laboratory QC results	Mostly	The laboratory QC results were generally considered acceptable. Exceptions include the following: – Eurofins report 1348826 (soil): the matrix spike recovery for arsenic and cadmium is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference. This deficiency was not considered material to the overall reliability of the analytical data.

10. DISCUSSION

10.1 Nature and extent of site contamination

10.1.1 Soil

Soils encountered at the site generally comprise of sand and gravelly sand fill ranging from depths of 0.4 m to 1.0 m BGL, with underlying natural soils comprising of clays and sandy clays.

Fill material at the site is considered to include heterogenous benzo(a)pyrene impacts, however with consideration of the material as a whole, these inclusions do not pose an unacceptable risk to human health or the environment, nor comprise site contamination (in accordance with Section 5B of the *Environment Protection Act 1993*), in the context of the proposed future land use.

Reported concentrations of several CoPC exceeded the Waste Fill and Intermediate Waste criteria in several fill samples but were below the Low-Level Contaminated Waste criterion. All CoPC were reported below the Waste Fill criteria for all natural soil samples. As such, the preliminary waste classification of soils for off-site disposal and/or reuse is Low-Level Contaminated Waste for fill material and Waste Fill for natural soils. Further assessment, including leachate analysis, would be required to provide final classifications for the purpose of off-site disposal.

10.1.2 Groundwater

Groundwater was present beneath the site at 5.2 m and 6.5 m BGL. No evidence of contamination, such as hydrocarbon odours, sheen or LNAPL was detected during the gauging and sampling of the groundwater wells.

Concentrations of TRH exceeding adopted ecological screening criteria were identified in groundwater beneath the southern portion of the site. However, silica gel cleanup and subsequent reanalysis indicated that a portion of the reported impacts were likely biogenic in nature. The portion of remaining hydrocarbon impacts considered likely to be petrogenic in nature was below the adopted screening criteria.

Based on the results of the groundwater investigation, CoPC in groundwater do not pose an unacceptable risk to human health or the environment, nor do they comprise site contamination (in accordance with Section 5B of the *Environment Protection Act 1993*), in the context of the proposed future land use.

11. CONCEPTUAL SITE MODEL (CSM)

In accordance with Schedule B2 of the ASC NEPM, an important step in the site assessment process is the development and refinement of a CSM that identifies the potential sources of contamination, the COPC, the likely media involved and the pathways by which exposure to any contamination at the subject site may occur. For exposure to occur, a complete pathway must exist between the source of contamination and the receptor, i.e., the person or ecosystem components potentially affected. Where the exposure pathway is incomplete, there is no exposure and hence no risk via that pathway.

An exposure pathway typically consists of the following elements:

- the source of contamination, e.g., a spill or leak;
- the release mechanism, e.g., migration in soil, leaching to water, emission to air;
- the transport medium, e.g., soil, groundwater, surface water, air;
- the mobility of the contaminant in, and its retention by, the transport medium;
- the type of receptor, e.g., human, wildlife, flora, surface water;
- the exposure point, e.g., where a receptor may come in contact with contaminated dust or soil, contaminated groundwater, or vapour escaping from contaminated soil or groundwater; and
- the exposure route, e.g., inhalation, ingestion, dermal absorption.

The DSI did not identify the presence of site contamination. In the absence of a contamination source, there are considered to be no potentially complete exposure pathways to possible receptors.

12. CONCLUSIONS

12.1 Conclusions

Based on the results of the DSI, Fyfe concludes the following:

- Concentrations of CoPC in soil and groundwater do not pose an unacceptable risk to human health or the environment, and site contamination was not identified (in accordance with Section 5B of the *Environment Protection Act 1993*), in the context of the proposed high-density residential land use.
- The site is considered suitable for the proposed land use.
- The preliminary classification of soils for the purposes of off-site disposal and/or reuse is Low-Level Contaminated Waste for fill material and Waste Fill for natural soils. This waste classification is preliminary only and further assessment would be required to facilitate off-site disposal and/or reuse.

12.2 Limitations

The reader is referred to the limitations presented in Section 14, below.

13. REFERENCES

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14. LIMITATIONS

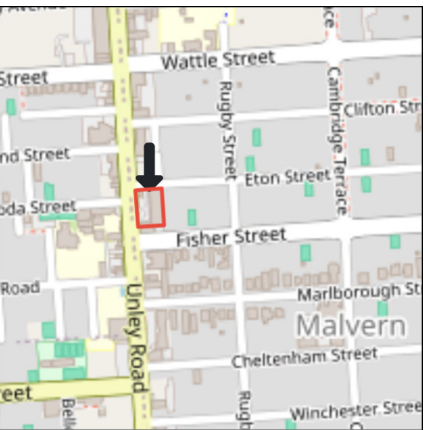
The opinions and conclusions presented in this report are specific to the conditions of the site and the state of legislation currently enacted as at the date of this report. Fyfe does not make any representation or warranty that the opinions and conclusions in this report will be applicable in the future as there may be changes in the condition of the site, applicable legislation or other factors that would affect the opinions and conclusions contained in this report.

Fyfe has used the degree of skill and care ordinarily exercised by reputable members of our profession practising in the same or similar locality. This report has been prepared for Hygge Property, for the specific purpose identified in the report. Fyfe accepts no liability or responsibility to any other party for the accuracy of any information contained in the report or any opinion or conclusion expressed in the report. Neither the whole of the report nor any part or reference thereto may be in any way used, relied upon or reproduced by any other party without Fyfe's prior written approval. This report must be read in its entirety, including all tables and attachments.

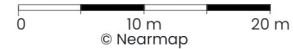
This report has been signed-off by a Certified Environmental Practitioner – Site Contamination Specialist. The responsibility of this professional was limited solely to the review of the report and did not extend to any other aspect of the project.

FIGURES





- Legend**
- Groundwater Monitoring Well
 - Soil Bore
 - Soil Bore (PSI 2025)
 - Site Boundary



Produced by **Datanest.earth**

Title: Site Layout and Sampling Locations		
Client: Hygge Property		Size: A4
Project: 259 – 269 Unley Road, Malvern	Drawn: CAB	Figure No.: 1
Date: 29-04-2026	Checked: NV	
Proj No: 82257-2	Scale: 1:600	Version: 0

ANALYTICAL RESULTS TABLES



Table 1
Soil Analytical Results



Analyte Group	BTEXN								TRH							
Analyte	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene (VOC)	C6-C10 Fraction (F1)	C6-C10 (F1) (TRH C6-C10 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2) (TRH >C10-C16 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5	10	10	50	50	100	100	50	
NEMP 2013 - HIL Residential B with limited soil access	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	0.5	160	55	-	-	40	-	3	-	45	-	110	-	-	-	
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	0.5	220	NL	-	-	60	-	NL	-	70	-	240	-	-	-	
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	0.5	310	NL	-	-	95	-	NL	-	110	-	440	-	-	-	
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	0.5	540	NL	-	-	170	-	NL	-	200	-	NL	-	-	-	
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	50	85	70	-	-	105	-	-	-	180	-	120	300	2,800	-	
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	700	-	1,000	-	2,500	10,000	-	
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	77	NL	NL	-	-	NL	-	NL	NL	-	NL	-	-	-	-	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	160	NL	NL	-	-	NL	-	NL	NL	-	NL	-	-	-	-	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	NL	NL	NL	-	-	NL	-	NL	NL	-	NL	-	-	-	-	
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	140	21,000	5,900	-	-	17,000	-	2,200	5,600	-	4,200	-	5,800	8,100	-	
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	1,100	120,000	85,000	-	-	130,000	-	29,000	82,000	-	62,000	-	85,000	120,000	-	

Field ID	Depth	Sampled Date	Lab Report No.	Matrix														
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	160	< 100
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
QC5	0.0-0.4	17-04-2026	1348826	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 1	< 10	< 10	< 50	< 50	< 100	< 100
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
QC7	2.9-3	17-04-2026	1348826	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
QC8	2.9-3	17-04-2026	EM2606944	Natural	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 1	< 10	< 10	< 50	< 50	< 100	< 100
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	120	< 100
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100

Notes
^ From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	TRH (Pre-NEPM Fractions)					Metals											
	Analyte Units	C6-C9 Fraction mg/kg	C10-C14 Fraction mg/kg	C15-C28 Fraction mg/kg	C29-C36 Fraction mg/kg	C10-C36 Fraction (Sum) mg/kg	Arsenic mg/kg	Barium mg/kg	Beryllium mg/kg	Boron mg/kg	Cadmium mg/kg	Chromium (hexavalent) mg/kg	Chromium (III-VI) mg/kg	Chromium (Trivalent) mg/kg	Cobalt mg/kg	Copper mg/kg	Iron mg/kg
	LOR	10	20	50	50	50	2	10	1	10	0.4	0.5	2	2	2	5	20
NEPM 2013 - HIL Residential B with limited soil access																	
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m																	
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion																	
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion																	
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion																	
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)																	
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)																	
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)																	
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil																	
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)																	
PFAS NEMP 2025 Ecological direct exposure – all land uses																	
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses																	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m																	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m																	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+																	
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact																	
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker																	

Field ID	Depth	Sampled Date	Lab Report No.	Matrix															
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	3.4	-	-	-	< 0.4	-	55	-	-	13
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 20	< 20	< 50	< 50	< 50	2.9	91	< 2	-	< 0.4	< 1	36	36	8.5	11
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	3.9	-	-	-	< 0.4	-	51	-	-	22
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	3.5	-	-	-	< 0.4	-	35	-	-	18
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	3.3	-	-	-	< 0.4	-	16	-	-	11
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	2.2	70	< 2	-	< 0.4	< 1	31	31	15	15
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	3.1	71	< 2	-	< 0.4	< 1	40	40	16	17
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	5.1	-	-	-	< 0.4	-	53	-	-	25
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 20	< 20	100	110	210	17	-	-	-	< 0.4	-	12	-	-	30
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33,000
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	4.1	-	-	-	< 0.4	-	49	-	-	13
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	< 2	-	< 2	< 20	< 0.4	< 1	< 5	-	< 5	< 5
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	4.4	-	-	-	< 0.4	-	57	-	-	14
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	2.6	-	-	-	< 0.4	-	5.5	-	-	7.4
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	2.9	-	-	-	< 0.4	-	8.8	-	-	5.8
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	3.8	-	-	-	< 0.4	-	40	-	-	15
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	< 20	< 20	< 50	< 50	< 50	2.2	-	-	-	< 0.4	-	< 5	-	-	< 5
QC5	0.0-0.4	17-04-2026	1348826	Fill	< 20	< 20	< 50	< 50	< 50	2.2	-	-	-	< 0.4	-	< 5	-	-	< 5
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	< 10	< 50	< 100	< 100	< 50	< 5	-	-	-	< 1	-	3	-	-	< 5
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 20	< 20	< 50	< 50	< 50	4.5	190	< 2	-	< 0.4	< 1	59	59	14	18
QC7	2.9-3	17-04-2026	1348826	Natural	< 20	< 20	< 50	< 50	< 50	3.6	58	< 2	-	< 0.4	< 1	40	40	8.5	13
QC8	2.9-3	17-04-2026	EM2606944	Natural	< 10	< 50	< 100	< 100	< 50	< 5	90	1	-	< 1	< 0.5	41	41	11	16
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	6.7	-	-	-	< 0.4	-	36	-	-	19
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	5.1	-	-	-	< 0.4	-	44	-	-	17
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	4.2	-	-	-	< 0.4	-	55	-	-	14
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 20	< 20	63	< 50	63	4.7	110	< 2	-	< 0.4	< 1	16	16	5.1	29
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 20	< 20	< 50	< 50	< 50	3.2	-	-	-	< 0.4	-	45	-	-	12
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	5.8	-	-	-	< 0.4	-	14	-	-	13
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 20	< 20	< 50	< 50	< 50	4	-	< 2	15	< 0.4	< 1	47	-	12	13

Notes
* From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	Metals								Phenols (non-Halogenated)							
Analyte	Iron (%)	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Zinc	4,6-Dinitro-o-cyclohexyl phenol	4,6-Dinitro-2-methylphenol	2-Nitrophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	Cresol Total
Units	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.01	5	5	0.1	2	2	2	5	20	5	0.5	0.5	5	0.2	0.4	0.5
NEMP 2013 - HIL Residential B with limited soil access	-	1,200	14,000	120	1,200	1,400	-	60,000	-	-	-	-	-	-	-	4,700
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	1,100	-	-	190	-	-	560	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	1,100	-	-	480	-	-	1,500	-	-	-	-	-	-	-	-
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix															
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	14	-	< 0.1	< 5	-	-	27	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	22	180	< 0.1	21	-	< 2	38	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	23	-	< 0.1	27	-	-	54	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	13	-	0.1	< 5	-	-	27	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	16	-	< 0.1	7.9	-	-	23	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	-	30	350	< 0.1	15	-	< 2	27	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	30	360	< 0.1	20	-	< 2	31	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	31	-	< 0.1	33	-	-	58	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	49	-	< 0.1	6.5	-	-	130	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	18	-	< 0.1	22	-	-	44	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	0.5	5.4	35	< 0.1	< 5	< 2	-	19	-	-	-	-	< 0.2	< 0.4	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	32	-	< 0.1	27	-	-	48	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	22	-	< 0.1	< 5	-	-	27	-	-	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	15	-	< 0.1	< 5	-	-	29	-	-	-	-	-	-	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	18	-	< 0.1	19	-	-	50	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	< 5	-	< 0.1	< 5	-	-	11	-	-	-	-	-	-	-
QC5	0.0-0.4	17-04-2026	1348826	Fill	-	5.5	-	< 0.1	< 5	-	-	12	-	-	-	-	-	-	-
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	-	6	-	< 0.1	< 2	-	-	12	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	23	280	< 0.1	28	-	< 2	45	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4
QC7	2.9-3	17-04-2026	1348826	Natural	-	17	170	< 0.1	19	-	< 2	33	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4
QC8	2.9-3	17-04-2026	EM2606944	Natural	-	21	223	< 0.1	22	-	< 2	34	-	-	< 0.5	< 0.5	-	< 0.5	< 1
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	18	-	< 0.1	15	-	-	41	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	110	-	< 0.1	19	-	-	87	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	29	-	< 0.1	27	-	-	45	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	94	180	0.1	7.6	-	< 2	180	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	31	-	< 0.1	21	-	-	23	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	81	-	0.2	6.7	-	-	92	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	23	240	< 0.1	24	< 2	-	38	-	-	-	-	< 0.2	< 0.4	-

Notes
* From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	Phenols (non-Halogenated)						Phenols (Halogenated)									
Analyte	4-Nitrophenol	Dinoseb	Phenol	Phenolics Total	Phenols (Total Non Halogenated)	4-chloro-3-methylphenol	2-Chlorophenol	2,4-Dichlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,6-Dichlorophenol	3&4-Methylphenol (m&p-cresol)	4-chloro-3-methylphenol	Pentachlorophenol	Tetrachlorophenols	Phenols (Total Halogenated)
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	5	20	0.5	0.5	20	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	1	10	1
NEPM 2013 - HIL Residential B with limited soil access	-	-	45,000	-	-	-	-	-	-	-	-	4,700	-	130	-	-
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEPM 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEPM 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEPM 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix															
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	<5	<20	<0.5	-	<20	<1	<0.5	<0.5	<1	<1	<0.5	<0.4	<1	<1	<10
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	<5	<20	<0.5	-	<20	<1	<0.5	<0.5	<1	<1	<0.5	<0.4	<1	<1	<10
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	<5	<20	<0.5	-	<20	<1	<0.5	<0.5	<1	<1	<0.5	<0.4	<1	<1	<10
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	<0.5	-	-	-	-	-	-	-	<0.4	-	<1	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0.0-0.4	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	<5	<20	<0.5	-	<20	<1	<0.5	<0.5	<1	<1	<0.5	<0.4	<1	<1	<10
QC7	2.9-3	17-04-2026	1348826	Natural	<5	<20	<0.5	-	<20	<1	<0.5	<0.5	<1	<1	<0.5	<0.4	<1	<1	<10
QC8	2.9-3	17-04-2026	EM2606944	Natural	-	-	<0.5	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<2	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	<5	<20	<0.5	-	<20	<1	<0.5	<0.5	<1	<1	<0.5	<0.4	<1	<1	<10
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	<0.5	-	-	-	-	-	-	-	<0.4	-	<1	-	-

Notes
* From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group		PAHs																	
Analyte		Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) pyrene	Benzo(a)anthracene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i)perylene	Benzo(b,j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
NEMP 2013 - HIL Residential B with limited soil access		-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	400
NEMP 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m		-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion		-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion		-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion		-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	170	-	-	-
NEMP 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)		-	-	-	3 [#]	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - Management Limits Residential/Parkland, Coarse Soil		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m		-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m		-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+		-	-	-	-	-	-	-	-	-	-	-	-	-	-	NL	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact		-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,200	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker		-	-	-	-	-	-	-	-	-	-	-	-	-	-	29,000	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																		
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	3.7	4	5.9	2.9	3.2	3.7	4.8	0.8	7.7	<0.5	2.2	<0.5	2.4	7.6	43
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	0.7	0.8	1.1	0.6	1.1	1.1	0.9	<0.5	0.9	<0.5	0.6	<0.5	<0.5	1.1	7.8
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC5	0.0-0.4	17-04-2026	1348826	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC7	2.9-3	17-04-2026	1348826	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC8	2.9-3	17-04-2026	EM2606944	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	1.4	1.3	1.9	1	1.4	1.5	1.2	<0.5	1.8	<0.5	1	<0.5	<0.5	2.1	13
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Notes
From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

[illegible][illegible]

Notes

[#] From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



	Organochlorine pesticides (OCPs)																		
Analyte Group																			
Analyte	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Aldrin + Dieldrin	Methoxychlor	Mirex	Toxaphene	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	Endosulfan
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.1	0.05
NEMP 2013 - HIL Residential B with limited soil access	600	-	-	-	-	20	-	-	-	10	-	15	10	500	20	30	-	-	400
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																			
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC5	0.0-0.4	17-04-2026	1348826	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-	-	-	-	< 0.05
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC7	2.9-3	17-04-2026	1348826	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC8	2.9-3	17-04-2026	EM2606944	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-	-	-	-	< 0.05
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 0.05	2.4	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	3.9	< 0.05	-	< 0.5	3.9	< 0.1	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	-	-	-

Notes
From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	Organophosphate pesticides (OPPs)																		
	2,4-Dichlorophenoxyacetic acid (2,4-D)	Azinophos methyl	BoStar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfotion	
Analyte																			
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	0.5	0.05	0.2	0.05	0.05	0.05	2	0.2	0.2	0.05	0.05	0.05	0.2	0.2	0.05	0.2	0.2	0.2	
NEMP 2013 - HIL Residential B with limited soil access	1,600	-	-	-	340	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NEMP 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																	
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.5	-	-	-	< 0.2	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
QC5	0.0-0.4	17-04-2026	1348826	Fill	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-	-	< 0.05	< 0.05	< 0.05	-	-	< 0.05	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC7	2.9-3	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9-3	17-04-2026	EM2606944	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 0.5	-	-	-	< 0.2	-	-	-	-	-	-	-	-	-	-	-	-

Notes
* From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	Organophosphate pesticides (OPPs)																		
	Analyte	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	Pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Toluthion	Trichloronate	Bromophos-ethyl
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.05	0.05	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.05
NEMP 2013 - HIL Residential B with limited soil access	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																	
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
QC5	0.0-0.4	17-04-2026	1348826	Fill	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	<0.05	<0.05	-	<0.2	-	<0.2	-	-	<0.2	-	-	-	-	-	-	-	<0.05
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC7	2.9-3	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9-3	17-04-2026	EM2606944	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes
* From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	Organophosphate pesticides (OPPs)					PCBs								PFAS				
Analyte	Carbophenothion	Demeton-S-methyl	Fenamiphos	Pirimphos-ethyl	Prothiofos	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Perfluorooctanoic acid (PFOA)	Sum of PFAS (WA DER List)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	Perfluorobutane sulfonic acid (PFBS)	Perfluorononanesulfonic acid (PFNS)
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0001	0.0002	0.0005	0.0001	0.0001
NEMP 2013 - HIL Residential B with limited soil access	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
NEMP 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEMP 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																		
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-	
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	< 0.0001	< 0.0001
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	< 0.0001	< 0.0001
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	< 0.0001	< 0.0001
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	0.0001	< 0.0001
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QC5	0.0-0.4	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-	-	
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	0.0003	< 0.0001
QC7	2.9-3	17-04-2026	1348826	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	0.0002	< 0.0001
QC8	2.9-3	17-04-2026	EM2606944	Natural	-	-	-	-	-	-	-	-	-	-	-	-	< 0.1	< 0.0002	< 0.0002	< 0.0005	< 0.0002	< 0.0002
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	< 0.0001	< 0.0001
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-	-

Notes
* From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	PFAS																	
	Perfluoronanoic acid (PFNA)	Perfluorobutanoic acid (PFBA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecanoic acid (PFDA)	Perfluorohexanoic acid (PFHxA)	Perfluorooctane sulfonamide (FOSA)	Perfluoroheptanoic acid (PFHpA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	Perfluorodecane sulfonic acid (PFDS)	Perfluorododecanoic acid (PFDoDA)	Perfluoroheptane sulfonic acid (PFHpS)
Analyte																		
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.0001	0.0005	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0005	0.0002	0.0005	0.0001	0.0001	0.0001
NEMP 2013 - HIL Residential B with limited soil access	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	2	-	-	-	-	-	2	2	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	0.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																	
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	0.0003	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0.0-0.4	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001
QC7	2.9-3	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001
QC8	2.9-3	17-04-2026	EM2606944	Natural	< 0.0002	< 0.001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0002	< 0.0002
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes
* From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	PFAS										Cyanide		Herbicides							
	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluoroundecanoic acid (PFUnDA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorotetradecanoic acid (PFTeDA)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorotridecanoic acid (PFTrDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)			2,4,5-Trichlorophenoxy Acetic Acid	Dinoseb	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	2,4-Dichlorophenoxyacetic acid (2,4-D)	Picloram	Mecoprop	
Analyte																				
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	0.0001	0.0005	0.0001	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	5	1	0.5	20	0.5	0.5	0.5	0.5	
NEMP 2013 - HIL Residential B with limited soil access	-	-	-	-	-	-	-	-	-	-	-	300	-	900	-	900	900	1,600	6,600	900
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																			
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	<5	-	< 20	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	<5	-	< 20	-	-	-	-	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	<5	-	< 20	-	-	-	-	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	< 5	-	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-	-	-	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-	-	-	-	-	-	-	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0.0-0.4	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 5	-	< 20	-	-	-	-	-
QC7	2.9-3	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 5	-	< 20	-	-	-	-	-
QC8	2.9-3	17-04-2026	EM2606944	Natural	< 0.0005	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0002	< 0.0005	-	< 1	-	-	-	-	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	< 5	-	< 20	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	< 5	-	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

Notes
From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 1
Soil Analytical Results



Analyte Group	Pesticides		Soil Type Descriptors		
Analyte	Atrazine	Bifenthrin	Cation Exchange Capacity	% Clay*	Total Organic Carbon
Units	mg/kg	mg/kg	meq/100 g	%	%
LOR	0.2	0.05	0.5	2.5	0.1
NEPM 2013 - HIL Residential B with limited soil access	470	840	-	-	-
NEPM 2013 Vapour Intrusion HSL Residential A and B, Sand, 0 to <1 m	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 1m - 2m Vapour Intrusion	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand 2m - 4m Vapour Intrusion	-	-	-	-	-
NEPM 2013 HSL A & B (Low - High Density Residential) Sand >4m Vapour Intrusion	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Fill)	-	-	-	-	-
NEPM 2013 - EIL for Urban Residential and Public Open Space (Site Specific - Natural)	-	-	-	-	-
NEPM 2013 - ESLs for Urban Residential and Public Open Space, Coarse Soil (0-2m)	-	-	-	-	-
NEPM 2013 - Management Limits Residential/Parkland, Coarse Soil	-	-	-	-	-
PFAS NEMP 2025 Residential with minimal opportunities for soil access (HIL B)	-	-	-	-	-
PFAS NEMP 2025 Ecological direct exposure – all land uses	-	-	-	-	-
PFAS NEMP 2025 Interim ecological indirect exposure – all land uses	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 0 to <2 m	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 2 to <4 m	-	-	-	-	-
Friebel & Nadebaum (2011) Intrusive Maintenance Worker (Shallow Trench), sand, 4 m+	-	-	-	-	-
Friebel & Nadebaum (2011) HSL-B (High-Density Residential) Direct Contact	-	-	-	-	-
Friebel & Nadebaum (2011) HSL for direct contact, Intrusive Maintenance Worker	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix					
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-
DUP_03	0.4-0.5	30-07-2025	1253743	Fill	-	-	-	-	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	47	13	2.3
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.2	< 0.05	12	3.8	< 0.1
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-
QC5	0.0-0.4	17-04-2026	1348826	Fill	-	-	-	-	-
QC6	0.0-0.4	17-04-2026	EM2606944	Fill	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-
QC7	2.9-3	17-04-2026	1348826	Natural	-	-	-	-	-
QC8	2.9-3	17-04-2026	EM2606944	Natural	-	-	-	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 0.2	< 0.05	-	-	-

Notes
From ASC NEPM (1999) HIL A value for B(a)P TEQ equivalent, as advised by SA EPA (refer to email in Appendix E)

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	BTEXN								TRH						
Analyte	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene (VOC)	C6-C10 Fraction (F1)	C6-C10 (F1) (TRH C6-C10 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2) (TRH >C10-C16 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.5	10	10	50	50	100	100	50
SA EPA (2010) Waste Fill	1	1.4	3.1	-	-	14	-	-	-	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste	5	50	100	-	-	180	-	-	-	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated	15	500	1,000	-	-	1,800	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix															
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m - 0.5m	30-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	160	< 100	160
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
QC5	0m - 0.4m	17-04-2026	1348826	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 1	< 10	< 10	< 50	< 50	< 100	< 100	< 50
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
QC7	2.9m - 3m	17-04-2026	1348826	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.2	< 1	< 10	< 10	< 50	< 50	< 100	< 100	< 50
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	120	< 100	120
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	-	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	TRH (Pre-NEPM Fractions)					Metals											
Analyte	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Chromium (Trivalent)	Cobalt	Copper	Iron	
	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	10	20	50	50	50	2	10	1	10	0.4	0.5	2	2	2	5	20	
SA EPA (2010) Waste Fill	65	-	-	-	1,000	20	300	20	-	3	1	-	400	170	60	-	
SA EPA (2010) Intermediate Waste	100	-	-	-	1,000	200	-	40	-	30	200	-	120,000	170	2,000	-	
SA EPA (2010) Low-level Contaminated	1,000	-	-	-	10,000	750	-	150	-	60	750	-	300,000	1,000	7,500	-	
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Field ID	Depth	Sampled Date	Lab Report No.	Matrix															
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	3.4	-	-	-	< 0.4	-	55	-	-	13
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 20	< 20	< 50	< 50	< 50	2.9	91	< 2	-	< 0.4	< 1	36	36	8.5	11
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	3.9	-	-	-	< 0.4	-	51	-	-	22
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	3.5	-	-	-	< 0.4	-	35	-	-	18
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	3.3	-	-	-	< 0.4	-	16	-	-	11
DUP_03	0.4m - 0.5m	30-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	2.2	70	< 2	-	< 0.4	< 1	31	31	15	15
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 20	< 20	< 50	< 50	< 50	3.1	71	< 2	-	< 0.4	< 1	40	40	16	17
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	5.1	-	-	-	< 0.4	-	53	-	-	25
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 20	< 20	100	110	210	17	-	-	-	< 0.4	-	12	-	-	30
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33,000
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	4.1	-	-	-	< 0.4	-	49	-	-	13
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	< 2	-	< 2	< 20	< 0.4	< 1	< 5	-	< 5	< 5
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	4.4	-	-	-	< 0.4	-	57	-	-	14
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	2.6	-	-	-	< 0.4	-	5.5	-	-	7.4
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	2.9	-	-	-	< 0.4	-	8.8	-	-	5.8
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	3.8	-	-	-	< 0.4	-	40	-	-	15
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	< 20	< 20	< 50	< 50	< 50	2.2	-	-	-	< 0.4	-	< 5	-	-	< 5
QC5	0m - 0.4m	17-04-2026	1348826	Fill	< 20	< 20	< 50	< 50	< 50	2.2	-	-	-	< 0.4	-	< 5	-	-	< 5
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	< 10	< 50	< 100	< 100	< 50	< 5	-	-	-	< 1	-	3	-	-	< 5
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 20	< 20	< 50	< 50	< 50	4.5	190	< 2	-	< 0.4	< 1	59	59	14	18
QC7	2.9m - 3m	17-04-2026	1348826	Natural	< 20	< 20	< 50	< 50	< 50	3.6	58	< 2	-	< 0.4	< 1	40	40	8.5	13
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	< 10	< 50	< 100	< 100	< 50	< 5	90	1	-	< 1	< 0.5	41	41	11	16
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	6.7	-	-	-	< 0.4	-	36	-	-	19
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 20	< 20	< 50	< 50	< 50	5.1	-	-	-	< 0.4	-	44	-	-	17
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	4.2	-	-	-	< 0.4	-	55	-	-	14
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 20	< 20	63	< 50	63	4.7	110	< 2	-	< 0.4	< 1	16	16	5.1	29
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 20	< 20	< 50	< 50	< 50	3.2	-	-	-	< 0.4	-	45	-	-	12
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	5.8	-	-	-	< 0.4	-	14	-	-	13
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 20	< 20	< 50	< 50	< 50	4	-	< 2	15	< 0.4	< 1	47	-	12	13

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	Metals								Phenols (non-Halogenated)							
Analyte																
	Iron (%)	Lead	Manganese	Mercury	Nickel	Selenium	Silver	Zinc	4,6-Dinitro-o-cyclohexyl phenol	4,6-Dinitro-2-methylphenol	2-Nitrophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	Cresol Total
	Units	%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.01	5	5	0.1	2	2	2	5	20	5	0.5	0.5	5	0.2	0.4	0.5
SA EPA (2010) Waste Fill	-	300	500	1	60	-	-	200	-	-	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste	-	1,200	6,000	30	600	-	-	14,000	-	-	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated	-	5,000	10,000	110	3,000	-	-	50,000	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix															
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	14	-	<0.1	<5	-	-	27	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	22	180	<0.1	21	-	<2	38	<20	<5	<1	<0.5	<5	<0.2	<0.4
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	23	-	<0.1	27	-	-	54	<0.1	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	13	-	0.1	<5	-	-	27	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	16	-	<0.1	7.9	-	-	23	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	-	30	350	<0.1	15	-	<2	27	<20	<5	<1	<0.5	<5	<0.2	<0.4
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	30	360	<0.1	20	-	<2	31	<20	<5	<1	<0.5	<5	<0.2	<0.4
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	31	-	<0.1	33	-	-	58	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	49	-	<0.1	6.5	-	-	130	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	18	-	<0.1	22	-	-	44	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	0.5	5.4	35	<0.1	<5	<2	-	19	-	-	-	-	<0.2	<0.4	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	32	-	<0.1	27	-	-	48	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	22	-	<0.1	<5	-	-	27	-	-	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	15	-	<0.1	<5	-	-	29	-	-	-	-	-	-	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	18	-	<0.1	19	-	-	50	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	<5	-	<0.1	<5	-	-	11	-	-	-	-	-	-	-
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	5.5	-	<0.1	<5	-	-	12	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	-	6	-	<0.1	<2	-	-	12	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	23	280	<0.1	28	-	<2	45	<20	<5	<1	<0.5	<5	<0.2	<0.4
QC7	2.9m - 3m	17-04-2026	1348826	Natural	-	17	170	<0.1	19	-	<2	33	<20	<5	<1	<0.5	<5	<0.2	<0.4
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	-	21	223	<0.1	22	-	<2	34	-	-	<0.5	<0.5	-	<0.5	<1
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	18	-	<0.1	15	-	-	41	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	110	-	<0.1	19	-	-	87	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	29	-	<0.1	27	-	-	45	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	94	180	0.1	7.6	-	<2	180	<20	<5	<1	<0.5	<5	<0.2	<0.4
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	31	-	<0.1	21	-	-	23	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	81	-	0.2	6.7	-	-	92	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	23	240	<0.1	24	<2	-	38	-	-	-	-	<0.2	<0.4	-

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	Phenols (non-Halogenated)						Phenols (Halogenated)									
Analyte	4-Nitrophenol	Dinoseb	Phenol	Phenols Total	Phenols (Total Non Halogenated)	4-chloro-3-methylphenol	2-Chlorophenol	2,4-Dichlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,6-Dichlorophenol	3&4-Methylphenol (m&p-cresol)	4-chloro-3-methylphenol	Pentachlorophenol	Tetrachlorophenols	Phenols (Total Halogenated)
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	5	20	0.5	0.5	20	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	1	10	1
SA EPA (2010) Waste Fill	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste	-	-	-	17,000	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated	-	-	-	50,000	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 5	< 20	< 0.5	-	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1	< 10	< 1
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	< 5	< 20	< 0.5	-	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1	< 10	< 1
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 5	< 20	< 0.5	-	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1	< 10	< 1
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	< 0.5	-	-	-	-	-	-	-	< 0.4	-	< 1	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 5	< 20	< 0.5	-	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1	< 10	< 1
QC7	2.9m - 3m	17-04-2026	1348826	Natural	< 5	< 20	< 0.5	-	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1	< 10	< 1
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	-	-	< 0.5	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 2	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 5	< 20	< 0.5	-	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1	< 10	< 1
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	< 0.5	-	-	-	-	-	-	-	-	< 0.4	-	< 1	-	-

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	PAHs																		
	Analyte	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) pyrene	Benzo(a)anthracene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i) perylene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SA EPA (2010) Waste Fill		-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5
SA EPA (2010) Intermediate Waste		-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	40
SA EPA (2010) Low-level Contaminated		-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	200
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																		
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	3.7	4	5.9	2.9	3.2	3.7	4.8	0.8	7.7	<0.5	2.2	<0.5	2.4	7.6	43
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	0.7	0.8	1.1	0.6	1.1	1.1	0.9	<0.5	0.9	<0.5	0.6	<0.5	<0.5	1.1	7.8
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
QC5	0m - 0.4m	17-04-2026	1348826	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
QC7	2.9m - 3m	17-04-2026	1348826	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	<0.5	<0.5	<0.5	1.4	1.3	1.9	1	1.4	1.5	1.2	<0.5	1.8	<0.5	1	<0.5	<0.5	2.1	13
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	CHCs	Inorganics							Organochlorine pesticides (OCPs)									
Analyte	Tetrachloroethene	Total Organic Carbon	Conductivity (1:5 aqueous extract)	Cyanide (Free)	Cyanide Total	Moisture Content	Moisture Content (dried @ 103°C)	pH (CaCl2)	4,4-DDE	α-BHC	Aldrin	β-BHC	Chlordane	Chlordane (cis)	Chlordane (trans)	d-BHC	DDD	DDT
Units	mg/kg	%	µS/cm	mg/kg	mg/kg	%	%	pH	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.5	0.1	10	5	1	1	1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
SA EPA (2010) Waste Fill	-	-	-	-	500	-	-	-	-	-	-	-	2	-	-	-	-	2
SA EPA (2010) Intermediate Waste	14	-	-	-	1,000	-	-	-	-	-	-	-	2	-	-	-	-	2
SA EPA (2010) Low-level Contaminated	25.2	-	-	-	3,500	-	-	-	-	-	-	-	50	-	-	-	-	50
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																	
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	5.3	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 0.5	-	-	-	< 5	18	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	9.1	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	7.8	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	< 0.5	-	-	-	< 5	15	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.5	-	-	-	< 5	18	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	6.8	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	2.3	300	-	-	18	7.8	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	< 0.1	40	< 5	-	6.4	8.3	< 0.05	-	< 0.05	-	< 0.1	-	-	-	< 0.05	< 0.05
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	20	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	8.4	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	7.6	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	4.4	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	8.3	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	-	-	-	-	6.1	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.5	-	-	-	< 5	16	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
QC7	2.9m - 3m	17-04-2026	1348826	Natural	< 0.5	-	-	-	< 5	16	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	< 0.5	-	-	-	< 1	17.6	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	15	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 0.5	-	-	-	< 5	8.8	-	< 0.05	< 0.05	1.5	< 0.05	< 0.1	-	-	< 0.05	< 0.05	< 0.05
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	17	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	< 5	-	19	-	< 0.05	-	< 0.05	-	< 0.1	-	-	-	< 0.05	< 0.05

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	Organochlorine pesticides (OCPs)																			
	Analyte	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Aldrin + Dieldrin	Methoxychlor	Mirex	Toxaphene	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	Endosulfan
	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	LOR	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5	0.1	0.1	0.05
SA EPA (2010) Waste Fill		-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste		-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated		-	-	-	-	-	-	-	-	-	50	-	-	50	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																			
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC5	0m - 0.4m	17-04-2026	1348826	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-	-	-	-	< 0.05
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC7	2.9m - 3m	17-04-2026	1348826	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	-	-	-	-	< 0.05
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	< 0.1	< 0.1	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	< 0.05	2.4	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	< 0.5	3.9	< 0.1	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	< 0.05	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.5	-	-	-

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	Organophosphate pesticides (OPPs)																		
	Analyte	2,4-Dichlorophenoxyacetic acid (2,4-D)	Azinophos methyl	Bolstar (sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfotthion
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.5	0.05	0.2	0.05	0.05	0.05	0.05	2	0.2	0.2	0.05	0.05	0.05	0.2	0.2	0.05	0.2	0.2	0.2
SA EPA (2010) Waste Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																	
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	<0.5	-	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	-	<0.05	-	<0.05	<0.05	<0.05	-	-	-	<0.05	<0.05	<0.05	-	-	<0.05	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC7	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	<0.5	-	-	-	<0.2	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Soil Analytical Results - Waste Classification



Analyte Group		Organophosphate pesticides (OPPs)																	
	Analyte	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	Pirimiphos-methyl	Pyrazophos	Rommel	Terbufos	Tetrachlorvinphos	Tokuthion	Trichloronate	Bromophos-ethyl
	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	LOR	0.05	0.05	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.05
SA EPA (2010) Waste Fill		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																	
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
QC5	0m - 0.4m	17-04-2026	1348826	Fill	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	< 0.05	< 0.05	-	< 0.2	-	< 0.2	-	< 0.2	-	-	-	-	-	-	-	-	< 0.05
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC7	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	Organophosphate pesticides (OPPs)					PCBs									PFAS				
Analyte	Carbophenothion	Demeton-S-methyl	Fenamiphos	Pirimphos-ethyl	Prothiofos	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Perfluorooctanoic acid (PFOA)	Sum of PFAS (WA DER List)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	Perfluorobutane sulfonic acid (PFBS)	Perfluoronanesulfonic acid (PFNS)	
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
LOR	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0001	0.0002	0.0005	0.0001	0.0001	
SA EPA (2010) Waste Fill	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
SA EPA (2010) Intermediate Waste	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	
SA EPA (2010) Low-level Contaminated	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	-	
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	0.005	-	-	-	-	
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	50	-	-	-	-	

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	< 0.0001
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	< 0.0001
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	< 0.0001
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	0.0001
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	0.0003
QC7	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	0.0002
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	-	-	-	-	-	-	-	-	-	-	-	< 0.1	< 0.0002	< 0.0002	< 0.0005	< 0.0002
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	< 0.0001
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	-	-	-	-

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	PFAS																	
	Perfluorononanoic acid (PFNA)	Perfluorobutanoic acid (PFBA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecanoic acid (PFDA)	Perfluorohexanoic acid (PFHxA)	Perfluorooctane sulfonamide (FOSA)	Perfluoroheptanoic acid (PFHpA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	Perfluorodecane sulfonic acid (PFDS)	Perfluorododecanoic acid (PFDoDA)	Perfluoroheptane sulfonic acid (PFHpS)
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.0001	0.0005	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0005	0.0002	0.0005	0.0001	0.0001	0.0001
SA EPA (2010) Waste Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	0.001	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	0.005	-	-	-	-	-	0.005	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	1	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	50	-	-	-	-	-	50	50	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	50	-	-	-	-	-	50	50	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	20	-	-	-	-	-	20	20	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																	
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	0.0003	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	0.0003	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001
QC7	2.9m - 3m	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	< 0.0002	< 0.001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0002	< 0.0002
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	PFAS										Cyanide		Herbicides						
Analyte	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluoroundecanoic acid (PFUnDA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorotetradecanoic acid (PFTeDA)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorotridecanoic acid (PFTrDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	Cyanide (Free)	Cyanide Total	2,4,5-Trichlorophenoxy Acetic Acid	Dinoseb	2-Methyl-4-chlorophenoxyacetic acid	2-Methyl-4-Chlorophenoxy Butanoic Acid	2,4-Dichlorophenoxyacetic acid (2,4-D)	Picloram	Mecoprop
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.0001	0.0005	0.0001	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	5	1	0.5	20	0.5	0.5	0.5	0.5	0.5
SA EPA (2010) Waste Fill	-	-	-	-	-	-	-	-	-	-	-	500	-	-	-	-	-	-	-
SA EPA (2010) Intermediate Waste	-	-	-	-	-	-	-	-	-	-	-	1,000	-	-	-	-	-	-	-
SA EPA (2010) Low-level Contaminated	-	-	-	-	-	-	-	-	-	-	-	3,500	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix																								
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	< 5	-	< 20	-	-	-	-	-	-	-			
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 5	-	< 20	-	-	-	-	-	-	-			
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 5	-	< 20	-	-	-	-	-	-	-			
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	< 5	-	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-	-	-	-	-	-	-	-	-	-			
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-	-	-	-	-	-	-	-	-	-			
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 5	-	< 20	-	-	-	-	-	-	-			
QC7	2.9m - 3m	17-04-2026	1348826	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	< 5	-	< 20	-	-	-	-	-	-	-			
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	< 0.0005	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0005	< 0.0005	< 0.0005	< 0.0002	< 0.0005	-	< 1	-	-	-	-	-	-	-	-	-			
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	< 5	-	< 20	-	-	-	-	-	-	-			
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-	-	-	-	-	-	-	-	-	-			
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	-	-	-	-	-	-	-	-	-	-	< 5	-	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			

Table 2
Soil Analytical Results - Waste Classification



Analyte Group	Pesticides		Soil Type Descriptors		
Analyte	Atrazine	Bifenthrin	Cation Exchange Capacity	% Clay*	Total Organic Carbon
Units	mg/kg	mg/kg	meq/100 g	%	%
LOR	0.2	0.05	0.5	2.5	0.1
SA EPA (2010) Waste Fill	-	-	-	-	-
SA EPA (2010) Intermediate Waste	-	-	-	-	-
SA EPA (2010) Low-level Contaminated	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Simple)	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Waste Fill (Leachable - Dry Weight)	-	-	-	-	-
SA EPA PFAS Guideline (2023) - Intermediate Waste Soil (Dry Weight)	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - clay/single composite lined	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - double composite lined	-	-	-	-	-
PFAS NEMP 2025 Interim landfill acceptance criteria - Unlined	-	-	-	-	-

Field ID	Depth	Sampled Date	Lab Report No.	Matrix					
BH01_0.1-0.2m	0.1m - 0.2m	29-07-2025	1253743	Fill	-	-	-	-	-
BH01_2.0-2.1m	2m - 2.1m	29-07-2025	1253743	Natural	-	-	-	-	-
BH01_6.5-6.6m	6.5m - 6.6m	29-07-2025	1253743	Natural	-	-	-	-	-
BH02_0.1-0.2m	0.1m - 0.2m	30-07-2025	1253743	Fill	-	-	-	-	-
BH02_0.2-0.3m	0.2m - 0.3m	30-07-2025	1253743	Fill	-	-	-	-	-
BH02_19.9-20m	19.9m - 20m	30-07-2025	1253743	Natural	-	-	-	-	-
DUP_03	0.4m-0.5m	30-07-2025	1253743	Fill	-	-	-	-	-
BH03_0.5-0.6m	0.5m - 0.6m	30-07-2025	1253743	Fill	-	-	-	-	-
BH03_3.9-4.0m	3.9m - 4m	30-07-2025	1253743	Natural	-	-	-	-	-
BH04_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-
BH04_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	47	13	2.3
BH04_3.9-4.0	3.9m - 4m	08-04-2026	1345169	Natural	-	-	-	-	-
BH05_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	< 0.2	< 0.05	12	3.8	< 0.1
BH05_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-
BH05_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-
BH06_4.9-5.0	4.9m - 5m	08-04-2026	1345169	Natural	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-
QC5	0m - 0.4m	17-04-2026	1348826	Fill	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	Fill	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-
QC7	2.9m - 3m	17-04-2026	1348826	Natural	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	Natural	-	-	-	-	-
BH07_7.9-8.0	7.9m - 8m	17-04-2026	1348826	Natural	-	-	-	-	-
BH08_0.0-0.1	0m - 0.1m	08-04-2026	1345169	Fill	-	-	-	-	-
BH08_0.4-0.5	0.4m - 0.5m	08-04-2026	1345169	Fill	-	-	-	-	-
BH08_1.9-2.0	1.9m - 2m	08-04-2026	1345169	Natural	-	-	-	-	-
BH09_0.15-0.25	0.15m - 0.25m	08-04-2026	1345169	Fill	-	-	-	-	-
BH09_0.9-1.0	0.9m - 1m	08-04-2026	1345169	Natural	-	-	-	-	-
BH10_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	Fill	-	-	-	-	-
BH10_1.4-1.5	1.4m - 1.5m	08-04-2026	1345169	Natural	< 0.2	< 0.05	-	-	-

Table 3
Soil Analytical Results - RPDs



Analyte Group	BTEXN							TRH							TRH (Pre-NEPM Fractions)				
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (VOC)	C6-C10 Fraction (F1)	C6-C10 (F1) (TRH C6-C10 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2) (TRH >C10-C16 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
Analyte Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.1	0.1	0.1	0.1	0.2	0.3	0.5	20	20	50	50	100	100	100	20	20	50	50	50

Field ID	Depth	Sampled Date	Lab Report No.																			
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100	< 20	< 20	< 50	< 50	< 50
QC2	0.1m - 0.2m	08-04-2026	1345169	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100	< 20	< 20	< 50	< 50	< 50
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100	< 20	< 20	< 50	< 50	< 50
QC5	0m - 0.4m	17-04-2026	1348826	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100	< 20	< 20	< 50	< 50	< 50
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 10	< 10	< 50	< 50	< 100	< 100	< 50	< 10	< 50	< 100	< 100	< 50
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100	< 20	< 20	< 50	< 50	< 50
QC7	2.9m - 3m	17-04-2026	1348826	< 0.1	< 0.1	< 0.1	< 0.1	< 0.2	< 0.3	< 0.5	< 20	< 20	< 50	< 50	< 100	< 100	< 100	< 20	< 20	< 50	< 50	< 50
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	< 0.2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 10	< 10	< 50	< 50	< 100	< 100	< 50	< 10	< 50	< 100	< 100	< 50
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil Analytical Results - RPDs



Analyte Group		Metals															
Analyte		Arsenic	Barium	Beryllium	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Chromium (Trivalent)	Cobalt	Copper	Iron	Lead	Manganese	Mercury	Nickel	Silver	Zinc
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR		2	10	2	0.4	1	5	5	5	5	20	5	5	0.1	5	2	5

Field ID	Depth	Sampled Date	Lab Report No.																
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	2.6	-	-	< 0.4	-	5.5	-	-	7.4	-	22	-	< 0.1	< 5	-	27
QC2	0.1m - 0.2m	08-04-2026	1345169	2.9	-	-	< 0.4	-	8.8	-	-	5.8	-	15	-	< 0.1	< 5	-	29
RPD				10.91%	-	-	-	-	46.15%	-	-	24.24%	-	37.84%	-	-	-	-	7.14%
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	2.2	-	-	< 0.4	-	< 5	-	-	< 5	-	< 5	-	< 0.1	< 5	-	11
QC5	0m - 0.4m	17-04-2026	1348826	2.2	-	-	< 0.4	-	< 5	-	-	< 5	-	5.5	-	< 0.1	< 5	-	12
RPD				0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7%
QC6	0m - 0.4m	17-04-2026	EM2606944	< 5	-	-	< 1	-	3	-	-	< 5	-	6	-	< 0.1	< 2	-	12
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7%
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	4.5	190	< 2	< 0.4	< 1	59	59	14	18	38,000	23	280	< 0.1	28	< 2	45
QC7	2.9m - 3m	17-04-2026	1348826	3.6	58	< 2	< 0.4	< 1	40	40	8.5	13	29,000	17	170	< 0.1	19	< 2	33
RPD				22.22%	106.45%	-	-	-	38.38%	38.38%	48.89%	32.26%	26.87%	30%	48.89%	-	38.3%	-	30.77%
QC8	2.9m - 3m	17-04-2026	EM2606944	< 5	90	1	< 1	< 0.5	41	41	11	16	36,100	21	223	< 0.1	22	< 2	34
RPD				-	71.43%	-	-	-	36%	36%	24%	11.76%	5.13%	9.09%	22.66%	-	24%	-	27.85%

Table 3
Soil Analytical Results - RPDs



Analyte Group	Phenols (non-Halogenated)													Phenols (Halogenated)									
	4,6-Dinitro-o-cyclohexyl phenol	4,6-Dinitro-2-methylphenol	2-Nitrophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	Cresol Total	4-Nitrophenol	Dinoseb	Phenol	Phenols (Total Non Halogenated)	4-chloro-3-methylphenol	2-Chlorophenol	2,4-Dichlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,6-Dichlorophenol	3&4-Methylphenol (m&p-cresol)	4-chloro-3-methylphenol	Pentachlorophenol	Tetrachlorophenols	Phenols (Total Halogenated)
Analyte Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	20	5	1	0.5	5	0.2	0.4	0.5	5	20	0.5	20	1	0.5	0.5	1	1	0.5	0.4	1	1	10	1

Field ID	Depth	Sampled Date	Lab Report No.																					
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0m - 0.4m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4	< 0.5	< 5	< 20	< 0.5	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1
QC7	2.9m - 3m	17-04-2026	1348826	< 20	< 5	< 1	< 0.5	< 5	< 0.2	< 0.4	< 0.5	< 5	< 20	< 0.5	< 20	< 1	< 0.5	< 0.5	< 1	< 1	< 0.5	< 0.4	< 1	< 1
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	-	-	< 0.5	< 0.5	-	< 0.5	< 1	-	-	< 0.5	-	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 1	< 0.5	< 2	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil Analytical Results - RPDs



Analyte Group	PAHs																		CHCs
	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) pyrene	Benzo(a)anthracene	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b,h,i)perylene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Tetrachloroethene
Analyte Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Field ID	Depth	Sampled Date	Lab Report No.																			
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-
QC2	0.1m - 0.2m	08-04-2026	1345169	< 0.5	< 0.5	< 0.5	0.7	0.8	1.1	0.6	1.1	1.1	0.9	< 0.5	0.9	< 0.5	0.6	< 0.5	< 0.5	1.1	7.8	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-
QC5	0m - 0.4m	17-04-2026	1348826	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
QC7	2.9m - 3m	17-04-2026	1348826	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil Analytical Results - RPDs



Analyte Group	Organochlorine pesticides (OCPs)																			
	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene
Analyte Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Field ID	Depth	Sampled Date	Lab Report No.																			
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
QC2	0.1m - 0.2m	08-04-2026	1345169	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
QC5	0m - 0.4m	17-04-2026	1348826	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
QC7	2.9m - 3m	17-04-2026	1348826	< 0.05	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil Analytical Results - RPDs



Analyte Group	Organochlorine pesticides (OCPs)					Organophosphate pesticides (OPPs)														
	Aldrin + Dieldrin	Methoxychlor	Toxaphene	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic	Azinophos methyl	Boistar (sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop
Analyte Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.05	0.05	0.5	0.1	0.1	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Field ID	Depth	Sampled Date	Lab Report No.																			
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	< 0.05	< 0.05	< 0.5	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
QC2	0.1m - 0.2m	08-04-2026	1345169	< 0.05	< 0.05	< 0.5	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	< 0.05	< 0.05	< 0.5	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
QC5	0m - 0.4m	17-04-2026	1348826	< 0.05	< 0.05	< 0.5	< 0.1	< 0.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	< 0.05	< 0.2	-	-	-	< 0.05	-	< 0.05	< 0.05	< 0.05	-	-	-	< 0.05	< 0.05	< 0.05	-	-	< 0.05
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	< 0.05	< 0.05	< 0.5	< 0.1	< 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC7	2.9m - 3m	17-04-2026	1348826	< 0.05	< 0.05	< 0.5	< 0.1	< 0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	< 0.05	< 0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil Analytical Results - RPDs



Analyte Group	Organophosphate pesticides (OPPs)																		
	Fenitrothion	Fensulfotthion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	Priniphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Tokuthion	Trichloronate
Analyte Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Field ID	Depth	Sampled Date	Lab Report No.																		
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
QC2	0.1m - 0.2m	08-04-2026	1345169	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
QC5	0m - 0.4m	17-04-2026	1348826	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 2	< 0.2	< 2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	-	-	< 0.05	< 0.05	-	< 0.2	-	< 0.2	-	-	< 0.2	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC7	2.9m - 3m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 3
Soil Analytical Results - RPDs



Analyte Group		PCBs								PFAS													
Analyte		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	Perfluorooctanoic acid (PFOA)	Sum of PFAS (WA DER List)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	Perfluorobutane sulfonic acid (PFBS)	Perfluorononanesulfonic acid (PFNS)	Perfluorononanoic acid (PFNA)	Perfluorobutanoic acid (PFBA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecanoic acid (PFDA)	Perfluorohexanoic acid (PFHxA)	Perfluorooctane sulfonamide (FOSA)	Perfluoroheptanoic acid (PFHpA)	Perfluoropentanoic acid (PFPeA)	
	Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
	LOR	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0001	0.0005	0.0005	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.0001	0.0001	0.0005	0.0001	0.0001

Field ID	Depth	Sampled Date	Lab Report No.																						
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	0.0003	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	
QC2	0.1m - 0.2m	08-04-2026	1345169	-	-	-	-	-	-	-	-	< 0.0001	< 0.0005	< 0.0005	0.0001	< 0.0001	< 0.0001	< 0.0005	0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100%	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QC5	0m - 0.4m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
QC6	0m - 0.4m	17-04-2026	EM2606944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	0.0003	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	
QC7	2.9m - 3m	17-04-2026	1348826	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.0001	< 0.0005	< 0.0005	0.0002	< 0.0001	< 0.0001	< 0.0005	0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0001	
RPD				-	-	-	-	-	-	-	-	-	-	-	-	40%	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	-	-	-	-	-	-	-	< 0.1	< 0.0002	< 0.0002	< 0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.001	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 3
Soil Analytical Results - RPDs



Analyte Group	PFAS																				Cyanide	Herbicides
	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	Perfluorodecane sulfonic acid (PFDS)	Perfluorododecanic acid (PFDoDA)	Perfluoroheptane sulfonic acid (PFHpS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluoroundecanoic acid (PFUnDA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorotetradecanoic acid (PFTeDA)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorotridecanoic acid (PFTriDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	Cyanide Total	Dinoseb
Analyte Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
LOR	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	5	20

Field ID	Depth	Sampled Date	Lab Report No.																						
BH06_0.1-0.2	0.1m - 0.2m	08-04-2026	1345169	< 0.0001	0.0003	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-
QC2	0.1m - 0.2m	08-04-2026	1345169	< 0.0001	0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	-	-
RPD				-	100%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_0.0-0.4	0m - 0.4m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC5	0m - 0.4m	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC6	0m - 0.4m	17-04-2026	EM2606944	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BH07_2.9-3.0	2.9m - 3m	17-04-2026	1348826	< 0.0001	< 0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 5	< 20
QC7	2.9m - 3m	17-04-2026	1348826	< 0.0001	0.0001	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0005	< 0.0001	< 0.0005	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 5	< 20
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC8	2.9m - 3m	17-04-2026	EM2606944	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0002	< 0.0002	< 0.0005	< 0.0005	< 0.0002	< 0.0005	< 0.0002	< 0.0005	< 0.0005	< 0.0005	< 0.0002	< 0.0005	< 1	-
RPD				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Analytical Results - Blanks



Analyte Group	BTEXN							TRH							TRH (Pre-NEPM Fractions)				
Analyte	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (VOC)	C6-C10 Fraction (F1)	C6-C10 (F1) (TRH C6-C10 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2) (TRH >C10-C16 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR	1	1	1	1	2	3	10	0.02	0.02	0.05	0.05	0.1	0.1	0.1	0.02	0.05	0.1	0.1	0.1

Field ID	Sampled Date	Lab Report No.																		
Rinsate_1	29-07-2025	1253743	<1	<1	<1	<1	<2	<3	<10	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1
RN1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RN2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB1	08-04-2026	1345169	<1	<1	<1	<1	<2	<3	<10	<0.02	<0.02	-	-	-	-	-	<0.02	-	-	-
TB2	17-04-2026	1348826	<1	<1	<1	<1	<2	<3	<10	<0.02	<0.02	-	-	-	-	-	<0.02	-	-	-

Table 4
Soil Analytical Results - Blanks



Analyte Group	Metals								PAHs											
Analyte	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) pyrene	Benzo(a)anthracene	Benzo(g,h,i)perylene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.001	0.0002	0.001	0.001	0.001	0.0001	0.001	0.005	1	1	1	1	1	1	1	1	1	1	1	1

Field ID	Sampled Date	Lab Report No.																				
Rinsate_1	29-07-2025	1253743	< 0.001	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.005	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
RN1	08-04-2026	1345169	< 0.001	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.005	-	-	-	-	-	-	-	-	-	-	-	-
RN2	17-04-2026	1348826	< 0.001	< 0.0002	< 0.001	< 0.001	< 0.001	< 0.0001	< 0.001	< 0.005	-	-	-	-	-	-	-	-	-	-	-	-
TB1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Analytical Results - Blanks



Analyte Group		PAHs					Organochlorine pesticides (OCPs)																	
Analyte	Units	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	4,4-DDE	α-BHC	Aldrin	β-BHC	Chlordane	δ-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
		LOR	1	1	1	1	1	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Field ID	Sampled Date	Lab Report No.																					
Rinsate_1	29-07-2025	1253743	<1	<1	<1	<1	<1	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
RN1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RN2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Analytical Results - Blanks



Analyte Group		Organochlorine pesticides (OCPs)							Organophosphate pesticides (OPPs)														
Analyte		Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Aldrin + Dieldrin	Methoxychlor	Toxaphene	Organochlorine pesticides EPAV/c	Other organochlorine pesticides EPAV/c	Azinophos methyl	Bolstar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	LOR	0.2	0.2	0.2	0.2	0.2	5	2	2	2	2	2	20	2	2	20	2	2	2	2	2	2	2

Field ID	Sampled Date	Lab Report No.																					
Rinsate_1	29-07-2025	1253743	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 2	< 2	< 2	< 2	< 20	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2
RN1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RN2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Analytical Results - Blanks



Analyte Group		Organophosphate pesticides (OPPs)																			
Analyte	Units	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion	Phorate	Priniphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Tekuthion	Trichloronate
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		LOR	2	2	2	2	2	2	2	2	2	20	2	2	20	2	2	2	2	2	2

Field ID	Sampled Date	Lab Report No.																			
Rinsate_1	29-07-2025	1253743	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<2	<20	<2	<2	<2	<2	<2	<2
RN1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RN2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Analytical Results - Blanks



Analyte Group			PFAS																
Analyte	Perfluorooctanoic acid (PFOA)	Sum of PFAS (WA DER List)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	Perfluorobutane sulfonic acid (PFBS)	Perfluorononanesulfonic acid (PFNS)	Perfluorononanoic acid (PFNA)	Perfluorobutanoic acid (PFBA)	Perfluorooctane sulfonic acid (PFOS)	Perfluorodecanoic acid (PFDA)	Perfluorohexanoic acid (PFHxA)	Perfluorooctane sulfonamide (FOSA)	Perfluoroheptanoic acid (PFHpA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexane sulfonic acid (PFHxS)	Sum of PFHxS and PFOS	Sum of PFAS	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
	LOR	0.001	0.005	0.005	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.005	0.001	0.001	0.001	0.001	0.005	0.005	0.005

Field ID	Sampled Date	Lab Report No.																	
Rinsate_1	29-07-2025	1253743	< 0.001	< 0.005	< 0.005	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.005
RN1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RN2	17-04-2026	1348826	< 0.01	< 0.05	< 0.05	< 0.01	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.1	< 0.05
TB1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Analytical Results - Blanks



Analyte Group			PFAS														
Analyte			N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Methyl perfluorooctane sulfonamide (MeFOSA)	Perfluorodecane sulfonic acid (PFDS)	Perfluorododecanoic acid (PFDoDA)	Perfluoroheptane sulfonic acid (PFHpS)	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	Perfluoroundecanoic acid (PFUnDA)	N-methyl perfluorooctane sulfonamidoethanol (MeFOSE)	Perfluoropentane sulfonic acid (PFPeS)	Perfluorotetradecanoic acid (PFTeDA)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	Perfluoropropanesulfonic acid (PFPrS)	Perfluorotridecanoic acid (PFTrDA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR			0.005	0.005	0.001	0.001	0.001	0.001	0.005	0.001	0.005	0.001	0.001	0.001	0.001	0.001	0.001

Field ID	Sampled Date	Lab Report No.															
Rinsate_1	29-07-2025	1253743	< 0.005	< 0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.005	< 0.001	< 0.005	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
RN1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RN2	17-04-2026	1348826	< 0.05	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.05	< 0.01	< 0.05	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
TB1	08-04-2026	1345169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TB2	17-04-2026	1348826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5
Groundwater Analytical Results



Analyte Group			BTEXN							TRH							TRH (after silica gel clean-up)					
	Analyte		Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Total BTEX	Naphthalene (VOC)		C6-Cl10 Fraction (F1)	C6-Cl10 (F1) (TRH C6-Cl10 minus BTEX)	>C10-Cl16 Fraction (F2)	>C10-Cl16 Fraction (F2) (TRH >C10-Cl16 minus Naphthalene)	>Cl16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	>C10-Cl16 Fraction (SG)	>Cl16-C34 Fraction (SG)	>C34-C40 Fraction (SG)	>C10-C40 Fraction (SG)
	Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	LOR		1	1	1	1	2	3	1	10	0.02	0.02	0.05	0.05	0.1	0.1	0.1	0.05	0.1	0.1	0.1	0.1
NHMRC/NRMMC (2011) Potable - Aesthetic			-	25	3	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC/NRMMC (2011) Potable - Health			1	800	300	-	-	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHO - 4th edition (2022) - Drinking Water			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Aesthetic			-	25	3	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Health			1	800	300	-	-	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZG (2018) Ecosystem Protection - Freshwater 95%~			950	180	80	350	75	-	-	16	-	-	-	-	-	-	-	0.6 [§]	-	-	-	0.6 [§]
ANZECC/ARMCANZ (2000) - Livestock Drinking Water			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) - Long-term Irrigation			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Tainting of Aquatic Animal Flesh			-	250	250	-	-	-	-	-	0.005	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Freshwater Production			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Saltwater Production			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - HSL A&B (Low-High Density Residential) Sand 4m - 8m Vapour Intrusion			800	NL	NL	-	-	NL	-	NL	-	-	1	-	1	-	-	-	-	-	-	-
NEPM (1999) Theoretical Solubility Limits			59,000	61,000	3,900	-	-	21,000	-	170	-	9	-	3	-	-	-	-	-	-	-	-

Field ID	Sampled Date	Lab Report No.																			
MW01	28-04-2026	1352171	<1	<1	<1	<1	<2	<3	-	<10	<0.02	<0.02	0.16	0.16	0.3	<0.1	0.46	-	-	-	-
MW01	28-04-2026	1358109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	0.3	<0.1	0.3
QC1	28-04-2026	1352171	<1	<1	<1	<1	<2	<3	-	<10	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.1	-	-	-	-
QC2	28-04-2026	EM2607629	<1	<2	<2	<2	<2	<2	<1	<5	<0.02	<0.02	<0.1	<0.1	0.75	<0.1	0.75	-	-	-	-
MW02	28-04-2026	1352171	<1	<1	<1	<1	<2	<3	-	<10	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.1	-	-	-	-

Notes
***higher level (99%) species protection adopted where advised by ANZG (i.e. due to effects such as bioaccumulation)
§from Netherlands MHSPE (2009)
*from CRC CARE (2016)

Table 5
Groundwater Analytical Results



Analyte Group		TRH (Pre-NEPM Fractions)					TPH (after silica gel clean-up)				Metals	Phenols (non-Halogenated)								
Analyte		C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	C10-C14 Fraction (SG)	C15-C28 Fraction (SG)	C29-C36 Fraction (SG)	C10-C36 Fraction (Sum)(SG)	Lead	4,6-Dinitro-o-cyclohexyl phenol	4,6-Dinitro-2-methylphenol	2-Nitrophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	Cresol Total	4-Nitrophenol
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR		0.02	0.05	0.1	0.1	0.1	0.05	0.1	0.1	0.1	0.001	100	30	1	3	30	3	6	10	30
NHMRC/NRMMC (2011) Potable - Aesthetic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC/NRMMC (2011) Potable - Health		-	-	-	-	-	-	-	-	-	0.01	-	-	-	-	-	-	-	-	-
WHO - 4th edition (2022) - Drinking Water		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Aesthetic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Health		-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-
ANZG (2018) Ecosystem Protection - Freshwater 95% ^{~~}		-	-	-	-	0.6 [§]	-	-	-	0.6 [§]	0.0034	-	-	-	2	45	-	-	-	58
ANZECC/ARMCANZ (2000) - Livestock Drinking Water		-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) - Long-term Irrigation		-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Tainting of Aquatic Animal Flesh		-	-	-	-	-	-	-	-	-	-	-	-	-	400	-	-	300	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Freshwater Production		-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Saltwater Production		-	-	-	-	-	-	-	-	-	0.001	-	-	-	-	-	-	-	-	-
NEPM 2013 - HSL A&B (Low-High Density Residential) Sand 4m - 8m Vapour Intrusion		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM (1999) Theoretical Solubility Limits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Sampled Date	Lab Report No.	< 0.02	0.22	0.4	< 0.1	0.62	-	-	-	-	< 0.001	< 100	< 30	< 10	< 3	< 30	< 3	< 6	< 10	< 30
MW01	28-04-2026	1352171	-	-	-	-	-	< 0.05	0.2	< 0.1	0.2	-	-	-	-	-	-	-	-	-	-
MW01	28-04-2026	1358109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC1	28-04-2026	1352171	< 0.02	< 0.05	< 0.1	< 0.1	< 0.1	-	-	-	-	0.001	< 100	< 30	< 10	< 3	< 30	< 3	< 6	< 10	< 30
QC2	28-04-2026	EM2607629	< 0.02	< 0.05	0.75	0.05	0.8	-	-	-	-	< 0.001	-	-	< 1	< 1	-	< 1	< 2	-	-
MW02	28-04-2026	1352171	< 0.02	< 0.05	< 0.1	< 0.1	< 0.1	-	-	-	-	< 0.001	< 100	< 30	< 10	< 3	< 30	< 3	< 6	< 10	< 30

Notes
~~higher level (99%) species protection adopted where advised by ANZG (i.e. due to effects such as bioaccumulation)
§from Netherlands MHSPE (2009)
*from CRC CARE (2016)

Table 5
Groundwater Analytical Results



Analyte Group			Phenols (non-Halogenated)				Phenols (Halogenated)										PAHs					
	Analyte	Units	Dinoseb	Phenol	Phenols (Total Non Halogenated)	4-chloro-3-methylphenol	2-Chlorophenol	2,4-Dichlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,6-Dichlorophenol	3,4-Methylphenol (m&p-cresol)	4-chloro-3-methylphenol	Pentachlorophenol	Tetrachlorophenols	Phenols (Total Halogenated)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) pyrene	Benzo(a)anthracene	Benzo(a)pyrene TEQ calc (Zero)
	LOR	µg/L	100	3	100	10	3	3	10	10	3	6	10	10	30	10	1	1	1	1	1	0.5
NHMRC/NRMMC (2011) Potable - Aesthetic			-	-	-	-	0.1	0.3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC/NRMMC (2011) Potable - Health			-	-	-	-	300	200	-	20	-	-	-	10	-	-	-	-	-	0.01	-	-
WHO - 4th edition (2022) - Drinking Water			-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	0.7	-	-
NHMRC (2008) Recreational - Aesthetic			-	-	-	-	0.1	0.3	-	2	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Health			-	-	-	-	3,000	2,000	-	200	-	-	-	100	-	-	-	-	-	0.1	-	-
ANZG (2018) Ecosystem Protection - Freshwater 95%~			-	320	-	-	340	120	-	3	34	-	-	3.6	-	-	-	-	0.01	0.1	-	-
ANZECC/ARMCANZ (2000) - Livestock Drinking Water			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) - Long-term Irrigation			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Tainting of Aquatic Animal Flesh			-	1,000	-	-	0.1	0.1	-	2	30	300	-	30	-	-	20	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Freshwater Production			-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Saltwater Production			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - HSL A&B (Low-High Density Residential) Sand 4m - 8m Vapour Intrusion			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM (1999) Theoretical Solubility Limits			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Sampled Date	Lab Report No.																				
MW01	28-04-2026	1352171	< 100	< 3	< 100	< 10	< 3	< 3	< 10	< 10	< 3	< 6	< 10	< 10	< 30	< 10	< 1	< 1	< 1	< 1	< 1	-
MW01	28-04-2026	1358109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC1	28-04-2026	1352171	< 100	< 3	< 100	< 10	< 3	< 3	< 10	< 10	< 3	< 6	< 10	< 10	< 30	< 10	< 1	< 1	< 1	< 1	< 1	-
QC2	28-04-2026	EM2607629	-	< 1	-	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 2	-	-	< 1	< 1	< 1	< 0.5	< 1	< 0.5
MW02	28-04-2026	1352171	< 100	< 3	< 100	< 10	< 3	< 3	< 10	< 10	< 3	< 6	< 10	< 10	< 30	< 10	< 1	< 1	< 1	< 1	< 1	-

Notes
^{~~}higher level (99%) species protection adopted where advised by ANZG (i.e. due to effects such as bioaccumulation)
[§]from Netherlands MHSPE (2009)
[#]from CRC CARE (2016)

Table 5
Groundwater Analytical Results



Analyte Group		PAHs												CHCs	Organochlorine pesticides (OCPs)							
Analyte		Benzo(a,h)perylene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Vinyl chloride (SIM)	4,4-DDE	a-BHC	Aldrin	b-BHC	Chlordane	d-BHC	DDD	DDT
Units		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR		1	1	1	1	1	1	1	1	1	1	1	1	0.05	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2
NHMRC/NRMMC (2011) Potable - Aesthetic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC/NRMMC (2011) Potable - Health		-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	2	-	-	9
WHO - 4th edition (2022) - Drinking Water		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Aesthetic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Health		-	-	-	-	-	-	-	-	-	-	-	-	0.3	-	-	-	-	20	-	-	90
ANZG (2018) Ecosystem Protection - Freshwater 95%~		-	-	-	-	-	1	-	-	16	0.6	-	-	-	-	-	0.001	-	0.03	-	-	0.006
ANZECC/ARMCANZ (2000) - Livestock Drinking Water		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	9
ANZECC/ARMCANZ (2000) - Long-term Irrigation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Tainting of Aquatic Animal Flesh		-	-	-	-	-	-	-	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Freshwater Production		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01	-	0.01	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Saltwater Production		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.004	-	-	-
NEPM 2013 - HSL A&B (Low-High Density Residential) Sand 4m - 8m Vapour Intrusion		-	-	-	-	-	-	-	-	NL	-	-	-	-	-	-	-	-	-	-	-	-
NEPM (1999) Theoretical Solubility Limits		-	-	-	-	-	-	-	-	170	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Sampled Date	Lab Report No.																				
MW01	28-04-2026	1352171	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
MW01	28-04-2026	1358109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC1	28-04-2026	1352171	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
QC2	28-04-2026	EM2607629	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-	-	-	-	-	-	-	-	-
MW02	28-04-2026	1352171	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2

Notes
~higher level (99%) species protection adopted where advised by ANZG (i.e. due to effects such as bioaccumulation)
‡from Netherlands MHSPE (2009)
*from CRC CARE (2016)

Table 5
Groundwater Analytical Results



Analyte Group	Organochlorine pesticides (OCPs)																	Organophosphate pesticides (OPPs)				
Analyte	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Aldrin + Dieldrin	Methoxychlor	Toxaphene	Organochlorine pesticides EPAVc	Other organochlorine pesticides EPAVc	Azinophos methyl	Boistar (Sulprofos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5	2	2	2	2	20	2	2
NHMRC/NRMMC (2011) Potable - Aesthetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC/NRMMC (2011) Potable - Health	-	-	-	-	-	-	-	-	10	0.3	-	-	0.3	300	-	-	-	30	10	2	10	-
WHO - 4th edition (2022) - Drinking Water	-	-	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Aesthetic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Health	-	-	-	-	-	6	-	-	100	3	-	-	3	3,000	-	-	-	300	100	20	100	-
ANZG (2018) Ecosystem Protection - Freshwater 95% ^{***}	-	0.01	-	-	-	0.01	-	-	0.2	0.01	-	0.05	-	0.005	0.2	-	-	0.01	-	-	0.01	-
ANZECC/ARMCANZ (2000) - Livestock Drinking Water	-	-	-	-	-	0.6	-	-	10	0.3	-	-	0.3	300	-	-	-	30	10	2	10	-
ANZECC/ARMCANZ (2000) - Long-term Irrigation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Tainting of Aquatic Animal Flesh	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Freshwater Production	0.0015	0.005	-	-	-	0.002	-	-	0.01	0.005	-	-	-	0.03	-	-	-	0.01	-	-	0.001	-
ANZECC/ARMCANZ (2000) Aquaculture - Saltwater Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - HSL A&B (Low-High Density Residential) Sand 4m - 8m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM (1999) Theoretical Solubility Limits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Sampled Date	Lab Report No.																						
MW01	28-04-2026	1352171	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 2	< 2	< 2	< 2	< 20	< 2	< 2
MW01	28-04-2026	1358109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC1	28-04-2026	1352171	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 2	< 2	< 2	< 2	< 20	< 2	< 2
QC2	28-04-2026	EM2607629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW02	28-04-2026	1352171	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 2	< 2	< 2	< 2	< 20	< 2	< 2

Notes
~~higher level (99%) species protection adopted where advised by ANZG (i.e. due to effects such as bioaccumulation)
[‡]from Netherlands MHSPE (2009)
^{*}from CRC CARE (2016)

Table 5
Groundwater Analytical Results



Analyte Group	Organophosphate pesticides (OPPs)																					
	Analyte	Counaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethioprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Parathion
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	LOR	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	20	2	20
NHMRC/NRMMC (2011) Potable - Aesthetic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC/NRMMC (2011) Potable - Health		-	-	-	4	5	7	4	-	4	1	7	10	7	70	-	0.7	5	2	-	1	20
WHO - 4th edition (2022) - Drinking Water		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Aesthetic		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NHMRC (2008) Recreational - Health		-	-	-	40	50	70	40	-	40	10	70	100	70	700	-	7	50	20	-	10	200
ANZG (2018) Ecosystem Protection - Freshwater 95% ^{~~}		-	-	-	0.01	-	0.15	-	-	-	-	0.2	-	-	0.05	-	-	-	-	-	-	0.004
ANZECC/ARMCANZ (2000) - Livestock Drinking Water		-	-	-	4	5	7	4	-	4	1	7	10	7	70	-	0.7	5	2	-	1	20
ANZECC/ARMCANZ (2000) - Long-term Irrigation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Tainting of Aquatic Animal Flesh		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Freshwater Production		-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	0.04
ANZECC/ARMCANZ (2000) Aquaculture - Saltwater Production		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - HSL A&B (Low-High Density Residential) Sand 4m - 8m Vapour Intrusion		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM (1999) Theoretical Solubility Limits		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Sampled Date	Lab Report No.																					
MW01	28-04-2026	1352171	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<20
MW01	28-04-2026	1358109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC1	28-04-2026	1352171	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<20
QC2	28-04-2026	EM2607629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW02	28-04-2026	1352171	<20	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<20	<2	<20

Notes
~~higher level (99%) species protection adopted where advised by ANZG (i.e. due to effects such as bioaccumulation)
[§]from Netherlands MHSPE (2009)
[#]from CRC CARE (2016)

Table 5
Groundwater Analytical Results



Analyte Group	Organophosphate pesticides (OPPs)						Herbicides	Fuel Oxygenates	Volatile Organic Compounds							
Analyte	Pyrazophos	Romel	Terbufos	Tetrachlorvinphos	Tekuthion	Trichloronate	Dinoseb	MTBE	1,1-dichloroethane	1,2-dichloroethane	1,4-dichlorobenzene	Chlorobenzene	cis-1,2-dichloroethene	Dichloromethane	Tetrachloroethene	Trichloroethene
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	2	2	2	2	2	2	100	1	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01
NHMRC/NRMMC (2011) Potable - Aesthetic	-	-	-	-	-	-	-	15 [#]	-	-	0.3	10	-	-	-	-
NHMRC/NRMMC (2011) Potable - Health	20	-	0.9	100	-	-	-	-	-	3	40	300	-	4	50	-
WHO - 4th edition (2022) - Drinking Water	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
NHMRC (2008) Recreational - Aesthetic	-	-	-	-	-	-	-	15 [#]	-	-	0.3	10	-	-	-	-
NHMRC (2008) Recreational - Health	200	-	9.0	1,000	-	-	-	-	-	3	40	300	-	4	50	8
ANZG (2018) Ecosystem Protection - Freshwater 95% ^{~~}	-	-	-	-	-	-	-	32000 [#]	-	1,900	60	55	-	4,000	-	-
ANZECC/ARMCANZ (2000) - Livestock Drinking Water	20	-	0.9	100	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) - Long-term Irrigation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Tainting of Aquatic Animal Flesh	-	-	-	-	-	-	-	-	-	-	-	20	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Freshwater Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANZECC/ARMCANZ (2000) Aquaculture - Saltwater Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM 2013 - HSL A&B (Low-High Density Residential) Sand 4m - 8m Vapour Intrusion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NEPM (1999) Theoretical Solubility Limits	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Field ID	Sampled Date	Lab Report No.															
MW01	28-04-2026	1352171	< 2	< 2	< 2	< 2	< 2	< 2	< 100	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02
MW01	28-04-2026	1358109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC1	28-04-2026	1352171	< 2	< 2	< 2	< 2	< 2	< 2	< 100	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01
	28-04-2026	EM2607629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW02	28-04-2026	1352171	< 2	< 2	< 2	< 2	< 2	< 2	< 100	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01

Notes
~~higher level (99%) species protection adopted where advised by ANZG (i.e. due to effects such as bioaccumulation)
[‡]from Netherlands MHSPE (2009)
[#]from CRC CARE (2016)

Table 6
Groundwater Analytical Results - RPDs



Analyte Group			BTEXN						TRH							TRH (Pre-NEPM Fractions)				
Analyte																				
	Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (VOC)	C6-C10 Fraction (F1)	C6-C10 (F1) (TRH C6-C10 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2) (TRH >C10-C16 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)	
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR	1	1	1	1	2	3	10	0.02	0.02	0.05	0.05	0.1	0.1	0.1	0.02	0.05	0.1	0.1	0.1	

Field ID	Sampled Date	Lab Report No.																			
MW01	28-04-2026	1352171	< 1	< 1	< 1	< 1	< 2	< 3	< 10	< 0.02	< 0.02	0.16	0.16	0.3	< 0.1	0.46	< 0.02	0.22	0.4	< 0.1	0.62
QC1	28-04-2026	1352171	< 1	< 1	< 1	< 1	< 2	< 3	< 10	< 0.02	< 0.02	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.02	< 0.05	< 0.1	< 0.1	< 0.1
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	28/04/2026	EM2607629	< 1	< 2	< 2	< 2	< 2	< 2	< 5	< 0.02	< 0.02	< 0.1	< 0.1	0.75	< 0.1	0.75	< 0.02	< 0.05	0.75	0.05	0.8
RPD			-	-	-	-	-	-	-	-	-	-	-	85.71%	-	47.93%	-	-	60.87%	-	25.35%

Table 6
Groundwater Analytical Results - RPDs



Analyte Group		Metals	Phenols (non-Halogenated)												Phenols (Halogenated)									
Analyte	Lead	4,6-Dinitro-o-cyclohexyl phenol	4,6-Dinitro-2-methylphenol	2-Nitrophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	Cresol Total	4-Nitrophenol	Dinoseb	Phenol	Phenols (Total Non Halogenated)	4-chloro-3-methylphenol	2-Chlorophenol	2,4-Dichlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,6-Dichlorophenol	3&4-Methylphenol (m&p-cresol)	4-chloro-3-methylphenol	Pentachlorophenol	Tetrachlorophenols	Phenols (Total Halogenated)
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.001	100	30	10	3	30	3	6	10	30	100	3	100	10	3	3	10	10	3	6	10	10	30	10

Field ID	Sampled Date	Lab Report No.																										
MW01	28-04-2026	1352171	< 0.001	< 100	< 30	< 10	< 3	< 30	< 3	< 6	< 10	< 30	< 100	< 3	< 100	< 10	< 3	< 3	< 10	< 10	< 3	< 6	< 10	< 10	< 30	< 10		
QC1	28-04-2026	1352171	0.001	< 100	< 30	< 10	< 3	< 30	< 3	< 6	< 10	< 30	< 100	< 3	< 100	< 10	< 3	< 3	< 10	< 10	< 3	< 6	< 10	< 10	< 30	< 10		
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
QC2	28/04/2026	EM2607629	-	-	-	< 1	< 1	-	< 1	< 2	-	-	-	< 1	-	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 2	-	-	-		
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table 6
Groundwater Analytical Results - RPDs



Analyte Group		PAHs																CHCs	Organochlorine pesticides (OCPs)					
Analyte	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) pyrene	Benzo(a)anthracene	Benzo(g,h,i)perylene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Vinyl chloride (SIM)	4,4'-DDE	α-BHC	Aldrin	β-BHC	Chlordane	δ-BHC
	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
	LOR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.05	0.2	0.2	0.2	0.2	2

Field ID	Sampled Date	Lab Report No.																							
MW01	28-04-2026	1352171	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.2	<0.2	<0.2	<0.2	<2	<0.2
QC1	28-04-2026	1352171	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.05	<0.2	<0.2	<0.2	<0.2	<2	<0.2
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	28/04/2026	EM2607629	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<0.5	-	-	-	-	-	-	-
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6
Groundwater Analytical Results - RPDs



Analyte Group			Organochlorine pesticides (OCPs)																		Organophosphate pesticides (OPPs)			
Analyte																								
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5	2	2	2	2	20	2

Field ID	Sampled Date	Lab Report No.																						
MW01	28-04-2026	1352171	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 2	< 2	< 2	< 2	< 20	< 2
QC1	28-04-2026	1352171	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 5	< 2	< 2	< 2	< 2	< 20	< 2
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	28/04/2026	EM2607629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6
Groundwater Analytical Results - RPDs



Analyte Group			Organophosphate pesticides (OPPs)																				
Analyte			Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	EPN	Ethion	Ethoprop	Fenitrothion	Fensulfotion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR			2	20	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	20

Field ID	Sampled Date	Lab Report No.																				
MW01	28-04-2026	1352171	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
QC1	28-04-2026	1352171	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 20
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	28/04/2026	EM2607629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6
Groundwater Analytical Results - RPDs



Analyte Group			Organophosphate pesticides (OPPs)								Herbicides	Fuel Oxygenates	Volatile Organic Compounds							
Analyte	Parathion	Phorate	pirimiphos-methyl	Pyrazophos	Ronnel	Terbufos	Tetrachlorvinphos	Tokuthion	Trichloronate	Dinoseb	MTBE	1,1-dichloroethane	1,2-dichloroethane	1,4-dichlorobenzene	Chlorobenzene	cis-1,2-dichloroethene	Dichloromethane	Tetrachloroethene	Trichloroethene	
	Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
	LOR	2	2	20	2	2	2	2	2	2	100	1	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01

Field ID	Sampled Date	Lab Report No.																			
MW01	28-04-2026	1352171	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 100	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.02
QC1	28-04-2026	1352171	< 2	< 2	< 20	< 2	< 2	< 2	< 2	< 2	< 2	< 100	< 1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.02	< 0.01
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QC2	28/04/2026	EM2607629	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPD			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7
Groundwater Analytical Results - Blanks



Analyte Group			BTEXN							TRH							TRH (Pre-NEPM Fractions)				
Analyte			Benzene	Toluene	Ethylbenzene	Xylene (o)	Xylene (m & p)	Xylene Total	Naphthalene (VOC)	C6-C10 Fraction (F1)	C6-C10 (F1) (TRH C6-C10 minus BTEX)	>C10-C16 Fraction (F2)	>C10-C16 Fraction (F2) (TRH >C10-C16 minus Naphthalene)	>C16-C34 Fraction (F3)	>C34-C40 Fraction (F4)	>C10-C40 Fraction (Sum)	C6-C9 Fraction	C10-C14 Fraction	C15-C28 Fraction	C29-C36 Fraction	C10-C36 Fraction (Sum)
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LOR			1	1	1	1	2	3	10	0.02	0.02	0.05	0.05	0.1	0.1	0.1	0.02	0.05	0.1	0.1	0.1

Field ID	Sampled Date	Lab Report No.																			
RN1	28-04-2026	1352171	<1	<1	<1	<1	<2	<3	<10	<0.02	<0.02	<0.05	<0.05	<0.1	<0.1	<0.1	<0.02	<0.05	<0.1	<0.1	<0.1
TB1	28-04-2026	1352171	<1	<1	<1	<1	<2	<3	<10	<0.02	<0.02	-	-	-	-	-	<0.02	-	-	-	-

Table 7
Groundwater Analytical Results - Blanks



Analyte Group	Metals	Phenols (non-Halogenated)													Phenols (Halogenated)									
Analyte	Lead	4,6-Dinitro-o-cyclohexyl phenol	4,6-Dinitro-2-methylphenol	2-Nitrophenol	2,4-Dimethylphenol	2,4-Dinitrophenol	2-Methylphenol	3&4-Methylphenol (m&p-cresol)	Cresol Total	4-Nitrophenol	Dinoseb	Phenol	Phenols (Total Non Halogenated)	4-chloro-3-methylphenol	2-Chlorophenol	2,4-Dichlorophenol	2,4,5-Trichlorophenol	2,4,6-Trichlorophenol	2,6-Dichlorophenol	3&4-Methylphenol (m&p-cresol)	4-chloro-3-methylphenol	Pentachlorophenol	Tetrachlorophenols	Phenols (Total Halogenated)
Units	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR	0.001	100	30	10	3	30	3	6	10	30	100	3	100	10	3	3	10	10	3	6	10	10	30	10

Field ID	Sampled Date	Lab Report No.																						
RN1	28-04-2026	1352171	< 0.001	< 100	< 30	< 10	< 3	< 30	< 3	< 6	< 10	< 30	< 100	< 3	< 100	< 10	< 3	< 3	< 10	< 10	< 3	< 6	< 10	< 10
TB1	28-04-2026	1352171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7
Groundwater Analytical Results - Blanks



Analyte Group			PAHs																	Herbicides
Analyte			Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) pyrene	Benzo(a)anthracene	Benzo(g,h,i)perylene	Benzo(b+j)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)	Dinoseb
Units			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LOR			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100

Field ID	Sampled Date	Lab Report No.																		
RN1	28-04-2026	1352171	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<100
TB1	28-04-2026	1352171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

APPENDIX A
SOIL BORE LOGS AND GROUNDWATER WELL CONSTRUCTION
LOGS



UTM : 54H	Driller Rig : Ute Mounted	Job Number : 82257-1
Latitude : -34.95739	Driller Supplier : SMS Geotechnical	Client : Hygge Property
Longitude : 138.60821	Logged By : CAB	Project : Multi Storey Residential Development
Elevation : Not Surveyed	Reviewed By : NV	Location : 259-269 Unley Road, Malvern SA, Australia
Total Depth : 6 m	Date : 08/04/2026	Loc Comment :

PID (ppm)	Samples	Moisture	Water Level	Depth (m)	Graphic Log	Lithological Description	Comments / Contaminant Indicators	Well Diagram	Elevation (m)
0.0	BH04-0.1-0.2	D				Asphalt			
	BH04_0.4-0.5	D				FILL Gravelly SAND, brown, fine to coarse grained, well graded, subrounded, dry, loose			
0.1	BH04 -0.6-0.8, QC1	D				FILL SAND, grey, fine to coarse grained, trace of gravel, subrounded, dry, loose			
				1.0		CLAY, Dark brown, medium plasticity, dry, firm			
0.3	BH04_1.1-1.2	D				Sandy CLAY, brown, medium plasticity, fine to coarse grained sand, dry, firm			
	BH04_1.9-2	D		2.0					
0.5						CLAY, medium plasticity, with gravel, subrounded, dry, firm			
	BH04_2.9-3	D		3.0			No staining, no odour, no waste		
0.4									
	BH04_3.9-4	D		4.0					
0.4									
	BH04_4.9-5	D		5.0					
0.2						CLAY, Brown, medium plasticity, dry, firm			
	BH04_5.9-6	D							
0.2						BH04 Terminate at 6 m (Target depth was reached at 6 m.)			

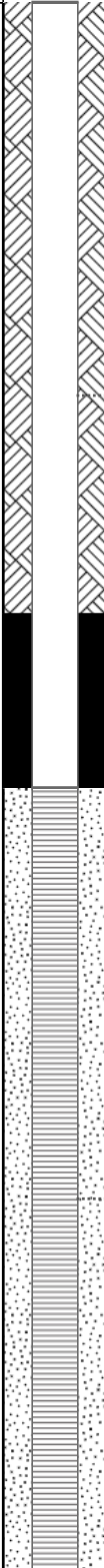
UTM : 54H	Driller Rig : Ute Mounted	Job Number : 82257-1
Latitude : -34.95724	Driller Supplier : SMS Geotechnical	Client : Hygge Property
Longitude : 138.60820	Logged By : CAB	Project : Multi Storey Residential Development
Elevation : Not Surveyed	Reviewed By : NV	Location : 259-269 Unley Road, Malvern SA, Australia
Total Depth : 6 m	Date : 08/04/2026	Loc Comment :

PID (ppm)	Samples	Moisture	Water Level	Depth (m)	Graphic Log	Lithological Description	Comments / Contaminant Indicators	Well Diagram	Elevation (m)
0.1	BH05_0.1-0.2	D				Pavement			
	BH05_0.4-0.5					FILL SAND, brown, fine to coarse grained, well graded, with gravel, subrounded, dry, loose			
0.2	BH05_0.9-1.0	D		1.0		Sandy gravelly CLAY, brown with grey mottling, medium plasticity, fine to coarse grained sand, subrounded gravel, dry, soft			
	BH05_1.4-1.5					CLAY, brown with pale brown mottling, medium plasticity, firm			
0.5	BH05_1.9-2			2.0					
0.4	BH05_2.9-3			3.0					
0.4	BH05_3.9-4	D		4.0			No staining, no odour, no waste		
0.3	BH05_4.9-5			5.0					
0.3	BH05_5.9-6								
						BH05 Terminate at 6 m (Target depth was reached at 6 m.)			

UTM : 54H	Driller Rig : Ute Mounted	Job Number : 82257-1
Latitude : -34.95714	Driller Supplier : SMS Geotechnical	Client : Hygge Property
Longitude : 138.60837	Logged By : CAB	Project : Multi Storey Residential Development
Elevation : Not Surveyed	Reviewed By : NV	Location : 259-269 Unley Road, Malvern SA, Australia
Total Depth : 6 m	Date : 08/04/2026	Loc Comment :

PID (ppm)	Samples	Moisture	Water Level	Depth (m)	Graphic Log	Lithological Description	Comments / Contaminant Indicators	Well Diagram	Elevation (m)
0.1	SB06_0.1-0.2, QC2					Pavement			
						FILL Gravelly SAND, grey-brown, fine to coarse grained, well graded, subrounded gravel, loose			
		D		1.0		FILL SAND, grey, fine to coarse grained, well graded, dry, dense			
0.5	BH06_0.9-1					CLAY, dark brown, medium plasticity, dry, firm			
	BH06_1.4-1.5								
		D		2.0					
0.4	BH06_1.9-2								
	BH06_2.9-3			3.0		CLAY, brown, medium plasticity, with gravel, subrounded, dry, firm	No staining, no odour, no waste		
0.4		D							
	BH06_3.9-4			4.0					
0.4						CLAY, dark brown, medium plasticity, firm			
	BH06_4.9-5	D		5.0					
2.0									
0.2	BH06_5.9-6								
						BH06 Terminate at 6 m (Target depth was reached at 6 m.)			

UTM : 54H	Driller Rig : Ute Mounted	Job Number : 82257-1
Latitude : -34.95691	Driller Supplier : SMS Geotechnical	Client : Hygge Property
Longitude : 138.60837	Logged By : CAB	Project : Multi Storey Residential Development
Elevation : Not Surveyed	Reviewed By : NV	Location : 259-269 Unley Road, Malvern SA, Australia
Total Depth : 9 m	Date : 17/04/2026	Loc Comment :

PID (ppm)	Samples	Moisture	Water Level	Depth (m)	Graphic Log	Lithological Description	Comments / Contaminant Indicators	Well Diagram	Elevation (m)
0.1	BH07_0-0.4, QC5, QC6	D				FILL SAND, pale brown, fine to coarse grained, well graded, dry, loose			
0.1		D				CLAY, red-brown, low plasticity, dry, firm			
0.2	BH07_0.9-1			1.0		CLAY, orange-brown with grey mottling, medium plasticity, dry, firm			
	BH07_1.4-1.5								
0.2	BH07_1.9-2			2.0					
	BH07_2.9-3, QC7, QC7	D		3.0					
0.1	BH07_3.9-4			4.0					
0.1									
0.4	BH07_4.9-5	M		5.0		CLAY, brown, medium plasticity, moist, firm	No staining, no odour, no waste		
0.2	BH07_5.9-6			6.0					
	BH07_6.9-7			7.0		CLAY, brown, low plasticity, wet, soft			
0.3									
0.3	BH07_7.9-8	W		8.0					
						BH07/MW02 Terminate at 9 m (Target depth was reached at 9 m.)			

UTM : 54H	Driller Rig : Ute Mounted	Job Number : 82257-1
Latitude : -34.95745	Driller Supplier : SMS Geotechnical	Client : Hygge Property
Longitude : 138.60858	Logged By : CAB	Project : Multi Storey Residential Development
Elevation : Not Surveyed	Reviewed By : NV	Location : 259-269 Unley Road, Malvern SA, Australia
Total Depth : 2 m	Date : 08/04/2026	Loc Comment :

PID (ppm)	Samples	Moisture	Water Level	Depth (m)	Graphic Log	Lithological Description	Comments / Contaminant Indicators	Well Diagram	Elevation (m)
0.0	BH08_0-0.1	D				TOPSOIL SAND, dark brown, fine to coarse grained, well graded, trace of gravel, subrounded, dry, loose	No staining, no odour, no waste		
	BH08_0.4-0.5	D				FILL Gravelly SAND, fine to coarse grained, well graded, subrounded gravel, dry, loose			
0.1						CLAY, Pale brown, low plasticity, dry, firm			
0.1	BH08_0.9-1, QC4			1.0					
	BH08_1.4-1.5	D							
	BH08_1.9-2					BH08 Terminate at 2 m (Target depth was reached at 2 m.)			

UTM : 54H	Driller Rig : Ute Mounted	Job Number : 82257-1
Latitude : -34.95728	Driller Supplier : SMS Geotechnical	Client : Hygge Property
Longitude : 138.60851	Logged By : CAB	Project : Multi Storey Residential Development
Elevation : Not Surveyed	Reviewed By : NV	Location : 259-269 Unley Road, Malvern SA, Australia
Total Depth : 2 m	Date : 08/04/2026	Loc Comment :

PID (ppm)	Samples	Moisture	Water Level	Depth (m)	Graphic Log	Lithological Description	Comments / Contaminant Indicators	Well Diagram	Elevation (m)
0.0	BH09_0.15-0.25, QC3	D				Concrete			
	BH09_0.4-0.5	D				FILL SAND, pale brown, fine to coarse grained, dry, loose			
0.2						FILL SAND, dark brown, fine to coarse grained, well graded, with gravel, subrounded			
	BH09_0.9-1.0			1.0		CLAY, red-brown, medium plasticity, dry, stiff	No staining, no odour, no waste		
0.2		D							
	BH09_1.4-1.5								
0.2									
0.1	BH09_1.9-2								
						BH09 Terminate at 2 m (Target depth was reached at 2 m.)			



Job Number : 82257-1
Client : Hygge Property
Project : Multi Storey Residential Development
Location : 259-269 Unley Road, Malvern SA, Australia
Loc Comment :

PID (ppm)	Samples	Moisture	Water Level	Depth (m)	Graphic Log	Lithological Description	Comments / Contaminant Indicators	Well Diagram	Elevation (m)
0.1	BH10_0.1-0.2	D		1.0		Pavement	No staining, no odour, no waste		
	BH10_0.4-0.5					FILL Gravelly SAND, pale brown, fine to coarse grained, well graded, subrounded gravel, dry			
0.2						CLAY, brown , medium plasticity, dry, firm			
	BH10_0.9-1	D							
0.2									
	BH10_1.4-1.5								
0.4									
0.3	BH10_1.9-2								
						BH10 Terminate at 2 m (Target depth was reached at 2 m.)			

APPENDIX B
FIELD SHEETS



Well ID: MW2

Client: Hygge Property		Job No: 82257-2	
Project: Hygge unity		Developed By: CAB	
Location: 256-269 unity Rd		Checked By: NV	
Date Developed: 17/4/26		Date Installed: 17/4/26	
Gauging Detail:		Depth to LNAPL (m BTOC):	
Date Gauged: 17/4/26		Depth to Groundwater (SWL, m BTOC): approx 6.0m	
Time Gauged: 1025		NAPL Thickness (m):	
Casing Diameter: 50 mm		Total Depth of Well (m BTOC):	
Purging Details:		Well Completion: Gatic/Standpipe Height (m):	
Development Method: steel bailer		Vol removed (L): 40	Initial SWL: approx 6.0m

Time	Volume (cumulative, L)	SWL* (m BTOC)	DTB* (m BTOC)	Water observations / comments (colour, odour, sheen, turbidity, water quality parameters)
1030	10	~6.0	8.802	brown, high turbidity, no odour, no sheen
1042	20	"	8.852	"
1050	30	"	8.891	"
1100	40	"	8.892	pale brown to colourless, moderate turbidity, no odour, no sheen

Four well Volumes collected (Y / N):

Purge water generally clear and free of suspended solids (Y / N)

*SWL – Standing water level, DTB – Depth to base of well

Purge Volume Calculation - minimum of 4 well volumes recommended.

Well Volume (kL) = $h \times \pi \times \frac{d^2}{4}$; where h = height of the water column in the well (m); d – inner diameter of the casing (m)

1m casing volume (50mm wells) = 2L; 1m Casing volume (100mm wells) = 8 L

Has waste water disposal been considered with PM? Water Disposal method: Interceptor / Hydrated in soil drum / collected and brought back to office / other (detail):	Well Location Comments: front of barber shop carpark
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Other Comments:

* IP faulty and not getting accurate reading



Project: Hygge Unley Rd				Site: 259-269 Unley Road, Malvern SA, Australia		Staff: CAB
Project Number:		82257-1		Equipment: Geotech Interface Meter		
Date	Time	Well ID	Depth to LNAPL (m BTOC)	SWL (mBTOC)	End of Hole (mBTOC)	Other Observations & Comments
29-04-2026	09:03	MW01	-	6.541	12.932	No odour
29-04-2026	09:10	MW02	-	5.256	8.806	No odour

Well ID: **MW01**

Client: Hygge Property		Job No.: 82257-1						
Project: Hygge Unley Road		Sampled By: CAB						
Location: 259-269 Unley Road, Malvern SA, Australia		Checked By: NV						
		Date: 28-04-2026						
Gauging Detail:		Depth to LNAPL (m BTOC): -						
Date Gauged: 28-04-2026		Depth to Groundwater (SWL): 6.541 m BTOC						
Time Gauged: 09:56		NAPL Thickness (m): -						
Casing Diameter: 50		Total Depth of Well: 12.932 m BTOC						
Purging Details:		Well Completion: Gatic/ Standpipe (m): Gatic						
Sample Method: Hydrasleeve		Vol removed (L): 1 Discharge Rate (L/min): -						
Time Commenced Purge: 09:56								
Time Completed Purge: 09:56								
Sampling SWL (mbTOC): 6.541								
Time	Volume (cumulative, L)	pH (pH units)	EC (mS/cm)	Temp (°C)	Redox (mV)	DO (ppm)	SWL (m bTOC)	Comments (colour, odour, sheen, turbidity)
09:56	1	7.08	3.54	21.5	-25.1	1.44	6.541	No odour, Slight turbidity, No sheen Colourless
Acceptable Range:		± 0.1	± 5%	± 0.2	± 10mV	± 10%		

Purge Volume Calculation - minimum of 4 well volumes for the Well-volumes method (as per the, SA EPA):

Well Volume (kL) = $h \times \pi \times \frac{d^2}{4}$; where h = height of the water column in the well (m); d – inner diameter of the casing (m)

1 casing volume (50mm wells) = 2L; 1 Casing volume (100mm wells) = 8 L

Low flow: max flow rate – 0.5L/min - Max drawdown = 0.1m – Well stable when 3 consecutive readings (either 3 min apart or 1L apart).

Analysis: TRH, BTEXN, PAH, Phenols, Lead, OCP, OPP, Limited CHCs, MTBE	QA/QC Samples: Duplicate: QC1 Triplicate: QC2 Rinsate: RN1 Field Blank/ Trip Blank: TB1
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Well Condition: Good

Pump Submersion Depth (m, bTOC): -

Water Quality Meter: YSI ProPlus Water Quality Meter

Dipper/ Interface Probe: Geotech Interface Meter

Pump: -

Well ID: **MW02**

Client: Hygge Property Project: 82257-1 Location: 259-269 Unley Road, Malvern SA, Australia				Job No.: 82257-1 Sampled By: CAB Checked By: NV Date: 28-04-2026				
Gauging Detail: Date Gauged: 28-04-2026 Time Gauged: 10:25 Casing Diameter: 50				Depth to LNAPL (m BTOC): - Depth to Groundwater (SWL): 5.256 m BTOC NAPL Thickness (m): - Total Depth of Well: 8.806 m BTOC				
Purging Details: Sample Method: Hydrasleeve Time Commenced Purge: 10:25 Time Completed Purge: 10:25 Sampling SWL (mbTOC): 5.256				Well Completion: Gatic/ Standpipe (m): Gatic Vol removed (L): 1 Discharge Rate (L/min): -				
Time	Volume (cumulative, L)	pH (pH units)	EC (mS/cm)	Temp (°C)	Redox (mV)	DO (ppm)	SWL (m bTOC)	Comments (colour, odour, sheen, turbidity)
10:25	1	7.12	2.59	21.5	49.9	2.7	5.256	Colourless, moderate turbidity, no odour, no sheen
Acceptable Range:		± 0.1	± 5%	± 0.2	± 10mV	± 10%		

Purge Volume Calculation - minimum of 4 well volumes for the Well-volumes method (as per the, SA EPA):

Well Volume (kL) = $h \times \pi \times \frac{d^2}{4}$; where h = height of the water column in the well (m); d – inner diameter of the casing (m)
 1 casing volume (50mm wells) = 2L; 1 Casing volume (100mm wells) = 8 L

Low flow: max flow rate – 0.5L/min - Max drawdown = 0.1m – Well stable when 3 consecutive readings (either 3 min apart or 1L apart).

Analysis: TRH, BTEXN, PAH, Phenols, Lead, OCP, OPP, Limited CHCs, MTBE	QA/QC Samples: Duplicate: - Triplicate: - Rinsate: RN1 Field Blank/ Trip Blank: TB1
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Well Condition: Good

Pump Submersion Depth (m, bTOC): -

Water Quality Meter: YSI ProPlus Water Quality Meter

Dipper/ Interface Probe: Geotech Interface Meter

Pump: -

APPENDIX C
WELL CONSTRUCTION PERMIT



Well Permit

Permit to undertake a Water Affecting Activity

Pursuant to section 112 of the Landscape South Australia Act 2019

Subject to full compliance with all the procedures, specifications and limitations contained or referred to in the conditions set out below.



Permission is hereby granted to

Fyfe Pty Ltd

Permit Number: **P-514302**

Permit Term: **1 year(s)**

Expiry Date: **14 April 2027**

To undertake the following water affecting activity

Activity	Construct a new well
Well Use	Monitoring or Investigation
At location	138.60829648000004,-34.95690861999998 CT6126/704, Allotment 179 Deposited Plan 1153

Conditions

480996	WAA-100 - The activity authorised by this permit must only be undertaken on the land identified as follows: CT6126/704 D1153A179
480997	WAA-102 - The equipment, materials and methods used in drilling, plugging, backfilling or sealing of a well, or the replacement or alteration of the casing, lining or screen of a well, shall not adversely affect the quality of an underground water resource.
480998	WAA-103 - Aquifers shall be protected during drilling, plugging, backfilling or sealing of a well, or the replacement or alteration of the casing, lining or screen of a well, to prevent adverse impacts upon the integrity of the aquifer.
481003	WAA-110 - The authorised activity must be undertaken by a licensed driller.
481010	WAA-318 - The well driller must submit a Well Completion Report to the Department within 30 days of completion of each activity authorised by this well construction permit.
481004	WAA-111 - If the well is considered unsatisfactory, it may be abandoned and a replacement well may then be constructed provided that the abandoned well is backfilled prior to the drill rig leaving the site.
480999	WAA-105 - Water samples are required from all wells drilled in respect of this permit.
481000	WAA-106 - Strata samples are not required.
481001	WAA-107 -The licensed well driller must forward with the report a plan obtained from the permit holder, who must mark thereon the location of all wells drilled in respect of this permit.
481002	WAA-108 - All wells must be drilled vertical unless written permission is obtained from the Minister.
481005	WAA-133 - All groundwater extracted during sampling and/or purging must be contained and disposed of in an appropriate manner to minimise risk to health and the environment.
481006	WAA-134 - This permit does not authorise the taking of water from the well for any purpose other than testing.
481007	WAA-136 - Wells are to be backfilled when no longer required for ongoing monitoring or investigation purposes.
481008	WAA-137 - The well subject to this permit must not be completed as an industrial water supply well unless prior approval has been obtained from the department.
481009	WAA-150 - Due to known nearby soil/groundwater contamination in the sediments and aquifers above, cautions should be taken in the drilling and cementing of this well.
480995	The well is not to penetrate beyond a maximum depth of 20 meters.

AUTHORISATION: MINISTER FOR CLIMATE, ENVIRONMENT AND WATER

Date: 14 April 2026

Additional information about this permit

Under section 216(1)(b)(ii) of the Act, you have a right of appeal to the Environment, Resources and Development Court against the imposition of any condition on this permit. The appeal must be instituted within six weeks of the date of permit issue. The appeal must also be served upon this department within that time.

The authority to undertake the water affecting activity, defined in the permit, is limited to the holder of the permit and cannot be assigned to another person. If the property upon which the permit work is to be undertaken is sold prior to the commencement of any work, the new landowner must make an application for a new permit.

The well construction permit is not an authorisation for a person to enter private property and prior authority must be obtained from the land owner in all circumstances.

The issue of this permit does not negate the requirement to comply with the provisions of other Acts that may impact on the activity undertaken pursuant of this permit.

This permit is not an approval to clear native vegetation. In South Australia, native vegetation is protected by the *Native Vegetation Act 1991*. Clearance includes the draining or flooding of land, including actions that result in the substantial damage to native vegetation, this might include activities that lower the water tables and, as a result, impact on water dependent wetland communities. In most cases the clearance of native vegetation requires the consent of the Native Vegetation Council. Further information regarding native vegetation clearance approvals, is available from: <http://www.environment.sa.gov.au/managing-natural-resources/native-vegetation>.

It is recommended that all drilling equipment be decontaminated prior to construction of a new well or rehabilitation of an existing well to prevent the introduction or transfer of iron bacteria. Similar precautions should also be taken with pump installation equipment.

The equipment, materials and methods used in drilling, plugging, backfilling or sealing of a well or the replacement or alteration of the casing, lining or screen of a well shall not adversely affect the quality of an underground water resource.

Aquifers shall be protected during drilling, plugging, backfilling or sealing of a well, or the replacement or alteration of the casing, lining or screen of a well, to prevent adverse impacts upon the integrity of the aquifer.

The activity must not adversely affect water-dependent ecosystems nearby.

Activities shall not have an unacceptable detrimental impact on cultural, heritage or social values.

This work may be subject to inspection by the Department's Drilling Inspectors.

If the name or contact details of the holder or their company changes, then the holder must notify this department within 21 days of the change occurring. Names and contact details can be updated online through the mywater customer portal (mywater.sa.gov.au).

Take note that the permit holder, or a person acting on behalf of the permit holder, who contravenes or fails to comply with a condition of the permit is guilty of an offence, and such acts or omissions may result in the variation, suspension or revocation of the permit.

APPENDIX D

EIL CALCULATION OUTPUTS



Inputs	
Select contaminant from list below	
Cr III	
Below needed to calculate fresh and aged ACLs	
Enter % clay (values from 0 to 100%)	
3.8	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration	
or for aged ABCs only	
Enter State (or closest State)	
SA	
Enter traffic volume (high or low)	
high	

Outputs		
Land use	Cr III soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	110
Urban residential and open public spaces	#NUM!	300
Commercial and industrial	#NUM!	500

Inputs	
Select contaminant from list below	
Cu	
Below needed to calculate fresh and aged ACLs	
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)	
12	
Enter soil pH (calcium chloride method) (values from 1 to 14)	
8.3	
Enter organic carbon content (%OC) (values from 0 to 50%)	
0.1	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration	
or for aged ABCs only	
Enter State (or closest State)	
SA	
Enter traffic volume (high or low)	
high	

Outputs		
Land use	Cu soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	55
Urban residential and open public spaces	#NUM!	110
Commercial and industrial	#NUM!	160

Inputs
Select contaminant from list below
Ni
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
12
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
or for aged ABCs only
Enter State (or closest State)
SA
Enter traffic volume (high or low)
high

Outputs		
Land use	Ni soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	40
Urban residential and open public spaces	#NUM!	190
Commercial and industrial	#NUM!	330

Inputs
Select contaminant from list below
Zn
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
12
Enter soil pH (calcium chloride method) (values from 1 to 14)
8.3
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
or for aged ABCs only
Enter State (or closest State)
SA
Enter traffic volume (high or low)
high

Outputs		
Land use	Zn soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	190
Urban residential and open public spaces	#NUM!	560
Commercial and industrial	#NUM!	810

Inputs	
Select contaminant from list below	
Cr III	
Below needed to calculate fresh and aged ACLs	
Enter % clay (values from 0 to 100%)	
13	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration	
or for aged ABCs only	
Enter State (or closest State)	
SA	
Enter traffic volume (high or low)	
high	

Outputs		
Land use	Cr III soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	160
Urban residential and open public spaces	#NUM!	450
Commercial and industrial	#NUM!	740

Inputs	
Select contaminant from list below	
Cu	
Below needed to calculate fresh and aged ACLs	
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)	
47	
Enter soil pH (calcium chloride method) (values from 1 to 14)	
7.8	
Enter organic carbon content (%OC) (values from 0 to 50%)	
2.3	
Below needed to calculate fresh and aged ABCs	
Measured background concentration (mg/kg). Leave blank if no measured value	
or for fresh ABCs only	
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration	
or for aged ABCs only	
Enter State (or closest State)	
SA	
Enter traffic volume (high or low)	
high	

Outputs		
Land use	Cu soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	100
Urban residential and open public spaces	#NUM!	250
Commercial and industrial	#NUM!	360

Inputs
Select contaminant from list below
Ni
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
47
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
or for aged ABCs only
Enter State (or closest State)
SA
Enter traffic volume (high or low)
high

Outputs		
Land use	Ni soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	85
Urban residential and open public spaces	#NUM!	480
Commercial and industrial	#NUM!	820

Inputs
Select contaminant from list below
Zn
Below needed to calculate fresh and aged ACLs
Enter cation exchange capacity (silver thiourea method) (values from 0 to 100 cmolc/kg dwt)
47
Enter soil pH (calcium chloride method) (values from 1 to 14)
7.8
Below needed to calculate fresh and aged ABCs
Measured background concentration (mg/kg). Leave blank if no measured value
or for fresh ABCs only
Enter iron content (aqua regia method) (values from 0 to 50%) to obtain estimate of background concentration
or for aged ABCs only
Enter State (or closest State)
SA
Enter traffic volume (high or low)
high

Outputs		
Land use	Zn soil-specific EILs	
	(mg contaminant/kg dry soil)	
	Fresh	Aged
National parks and areas of high conservation value	#NUM!	390
Urban residential and open public spaces	#NUM!	1500
Commercial and industrial	#NUM!	2200

APPENDIX E
BENZO(A)PYRENE ESL EMAIL



From: Boyce, Wendy (EPA) [Wendy.Boyce@sa.gov.au]
Sent: Monday, 3 August 2015 12:59 PM
To:

Subject: RE: EPA guidance in relation to BaP ESLs [DLM=For-Official-Use-Only]

For Official Use Only

Dear auditors

As additional points of clarification to the advice below, it is noted that:

- an errata was published dated 29 July 2013 which corrected the ESL values for commercial/industrial land use in the amended ASC NEPM as originally published (published as 0.7 mg/kg and corrected by the errata to refer to 1.4 mg/kg)
- the example values specified in the guidance below are relevant if considering urban residential and public open space
- that the HILs refer to Carcinogenic PAHs (as BaP TEQ)
- the working group referred to is not directly associated with the ASC NEPM jurisdictional regulator working group – it is understood the work was being driven by consultants based interstate.

Kind regards
Wb

Wendy Boyce

Principal Adviser, Site Contamination (Audit)
Work Phone (08) 8204 2033 Work Fax (08) 8124 4673

Environment Protection Authority
GPO Box 2607, Adelaide, S.A. 5001, AUSTRALIA



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From: Boyce, Wendy (EPA)
Sent: Thursday, 2 July, 2015 5:42 PM
To: auditors
Subject: EPA guidance in relation to BaP ESLs

Dear auditors

The EPA is aware of an issue in relation to the ESLs for BaP adopted in the ASC NEPM (as amended in 2013):

- ESL (urban residential and public open space) 0.7 mg/kg
- ESL (commercial and industrial) 1.4 mg/kg.

The ESLs were adopted from provisional Canadian environmental health soil quality guidelines (SQG_E), following a review (by Dr Michael Warne) in early 2010 for the ASC NEPM variation:

- *Review of the appropriateness of selected Canadian Soil Quality Guidelines (benzene, benzo(a)pyrene, ethylbenzene, toluene and xylenes) for incorporation into the Australian National Environment Protection (Assessment of Site Contamination) Measure and recommended Ecological Investigation Levels by Dr Michael Warne (2013 corrected version for benzo(a)pyrene).*

The review is available from the [ASC NEPM Toolbox website](#).

The Canadian soil quality guidelines for PAHs were revised in 2010, subsequent to the Warne review being completed and the amendment of the ASC NEPM:

- [Canadian Council of Ministers of the Environment \(CCME\), 2010. Canadian Soil Quality Guidelines for Carcinogenic and Other Polycyclic Aromatic Hydrocarbons \(Environmental and Human Health Effects\). Scientific Criteria Document \(revised\).](#)
- [Canadian Council of Ministers of the Environment, 2010. Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health: Carcinogenic and Other PAHs.](#)

New toxicological data/information is used and presented in the 2010 CCME SQG guidance which clearly state that the B(a)P values developed in 1997 and presented in the 1999 document have now been superseded by the 2010 values. The 2010 CCME SQG_E are 20 mg/kg for residential/parkland and 72 mg/kg for commercial. The 2010 Canadian SQG_E relevant for residential / parkland use is significantly higher than the corresponding ASC NEPM ESL.

The ASC NEPM ESLs for B(a)P are recognised as being based on limited data and are considered to be of low reliability. Application and reliance on the B(a)P ESLs (derived from the 1999 SQG_E) may lead to an overly conservative approach to site assessment and remediation.

It is understood that a working group has been established to review this issue.

In the interim, the SA EPA provides the following guidance in relation to the application of the ASC NEPM B(a)P ESLs:

The guidance provided in Schedule B5a of the ASC NEPM should be followed to inform carrying out a preliminary ERA and risk management decisions. If concerns and/or the potential for adverse impacts to ecological values are identified, then consider the following approaches and adopt as appropriate:

1. As part of the Preliminary ERA, refer to and apply the:

- ASC NEPM ESL (0.7 mg/kg)
- CCME 2010 SQG_E (20 mg/kg)

- ASC NEPM HIL A (3 mg/kg).

Human health risks associated with B(a)P are typically the main driver for further assessment and remediation. The HIL (i.e. 3 mg/kg for residential) should be sufficiently protective of ecological receptors for use as a Tier 1 investigation level.

2. Following the Preliminary ERA:

- a) develop and implement a site management / remediation program if indicated,
or
- b) use the methodology in the ASC NEPM to derive a site specific EIL for B(a)P (refer Schedule B5b).

The identification of an appropriate approach for a site should be made based on site specific characterisation, a robust CSM and an understanding of proposed land use(s).

If you have any questions in relation to this guidance, please do not hesitate to contact me.

Kind regards

Wendy Boyce

Principal Adviser, Site Contamination (Audit)
Work Phone (08) 8204 2033 Work Fax (08) 8124 4673

[Environment Protection Authority](#)

GPO Box 2607, Adelaide, S.A. 5001, AUSTRALIA



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APPENDIX F
DEW WATERCONNECT SUMMARY



Groundwater Data Report



Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-552	01/09/1934	18.29	32	32	8.84	25/10/1954	2.53	01/09/1934	800	25/10/1954	TWS	OPR					
6628-556			6.1	6.1	1.98	28/07/1970			736	23/03/2005			Qpah				
6628-558			9.75	9.75	7.92	21/11/1967			800	21/11/1967			Qpah				
6628-559			6.1	6.1					3385	24/01/1968			Qpah				
6628-573			6.1	0					2271	26/10/1914		BKF	Qpah				
6628-574			6.1	6.1					3570	28/08/1914			Qpah				
6628-575	22/09/1914		7.31	7.31	5.18	22/09/1914	0.19	22/09/1914					Qpah				
6628-576	09/09/1914		7.77	7.77	5.18	09/09/1914	0.15	09/09/1914					Qpah				
6628-577	01/01/1934		9.14	7.31	3.66	20/11/1967			2030	20/11/1967			Qpah				
6628-578	14/03/1914		7.31	7.31	3.35	26/03/1914	0.32	26/03/1914	1985	26/03/1914			Qpah				
6628-579			4.88	4.88	2.9	12/10/1934			3327	12/10/1934			Qpah				
6628-580		7.62	7.62	7.62	1.98	07/10/1959			2370	07/10/1959			Qpah				
6628-581									2742	25/09/1914			Qpah				
6628-584									3127	11/12/1914			Qpah				
6628-706									2713	20/01/1937			Qpah				
6628-707	01/09/1934		11.58	11.58	8.53	13/09/1934			742	13/09/1934			Qpah				
6628-708			44.81	44.81					2860	13/10/1914							
6628-709	01/10/1914		14.94	14.94	8.23	01/10/1914			2860	01/10/1914			Qpah				
6628-710	01/01/1954	10.97	11.28	11.28	4.88	14/06/1955			2044	03/12/1956			Qpah				
6628-711			9.14	9.14					2545	28/10/1914			Qpah				
6628-727																	
6628-3920	15/07/1981	13.8	13.8	13.8	3	15/07/1981	1.25	15/07/1981	2030	27/02/2008			Qpah	8337			
6628-6187	14/08/1981	13	15	15			1	14/08/1981			DOM		Qpah	9282			
6628-7165	23/11/1960		10.97	10.97	1.83	23/11/1960					DRN	OPR	Qpah				
6628-7166			7.32	7.32					1759	08/12/1914			Qpah				
6628-7167			7.01	7.01	3.66	05/01/1968			2355	05/01/1968			Qpah				
6628-7168									1716	02/10/1914			Qpah				
6628-7169		9.14	9.14	9.14	4.57	10/11/1967			1455	10/11/1967			Qpah				
6628-7170			7.32	7.32	3.51	07/12/1967	0.61	07/12/1967	1715	07/12/1967			Qpah				
6628-7171			14.56	14.56	6.33	06/06/2019			1170	13/10/1934		UEQ	Qpah				
6628-7172		12.19	12.19	12.19	5.18	10/11/1967			470	10/11/1967			Qpah				
6628-7173		8.23	8.23	8.23	5.49	10/11/1967			1170	10/11/1967			Qpah				
6628-7174									1128	17/10/1934			Qpah				
6628-7175			6.1	6.1	5.33	10/11/1934			656	10/11/1934			Qpah				
6628-7176			9.14	9.14					1070	16/11/1914			Qpah				
6628-7177			12.8	12.8					1516	17/11/1914			Qpah				
6628-7178			10.67	10.67					1289	08/10/2016			Qpah				

Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-7179	29/09/1967		16.76		5.49	18/12/1969	1.26	18/12/1969	1205	25/09/2001			Qpah				
6628-7180			7.62	7.62	4.57	28/11/1967			1320	28/11/1967			Qpah				
6628-7181			7.3	7.3					2199	26/04/1978			Qpah	3275			
6628-7182			9.14	9.14					3031	12/10/1914			Qpah				
6628-7183			6.1	6.1	2.3	17/03/2026			1455	20/11/1967	OBS		Qpah(Q1)		ADE105	C	N
6628-7184			7.01	7.01	2.74	02/10/1944			1155	02/10/1944			Qpah				
6628-7185	01/01/1906		7.01	7.01	4.27	01/01/1906	0.63	01/01/1906					Qpah				
6628-7186					3.05	20/03/1969	4.55	20/03/1969	1320	20/03/1969			Qpah				
6628-7187			68.58	68.58					361	06/02/1979			Tomw(T1)				
6628-7189			7.77	7.77	4.27	11/10/1949	0.76	11/10/1949	1330	11/10/1949			Qpah				
6628-7190									2545	07/11/1914			Qpah				
6628-7191			9.14	9.14					2530	06/11/1914			Qpah				
6628-7192			9.14	9.14					1927	23/12/1929			Qpah				
6628-7193	01/01/1914		24.38	24.38	3.66	23/11/1965			1360	23/11/1965			Qpah				
6628-7194			8.99	8.99					1642	28/09/1934			Qpah				
6628-7195			12.5	12.5					1916	09/11/1914			Qpah				
6628-7196			10.67	10.67	9.45	06/09/1934	0.38	06/09/1934	3041	06/09/1934			Qpah				
6628-7197			18.29	18.29					2515	03/11/1914			Qpah				
6628-7198	07/01/1965	11.58	11.58	11.58	5.49	07/01/1965	1.26	07/01/1965	1285	07/01/1965	DRN	OPR	Qpah				
6628-7199			11.58	11.58			0.01										
6628-7200			6.1	6.1	2.13	07/03/1949			428	07/03/1949			Qpah				
6628-7201			6.1	6.1	1.22	28/02/1972			1664	28/02/1972			Qpah				
6628-7202			2.13	2.13	1.82	30/08/1976	0.02	30/08/1976	1121	31/08/1976			Qpah				
6628-7203	01/01/1967		5.79	5.79	2.13	24/09/1968	0.01	24/09/1968	1645	24/09/1968			Qpah				
6628-7204			7.01	7.01	3.66	23/09/1949			1330	23/09/1949			Qpah				
6628-7205			6.1	6.1													
6628-7206	01/08/1914		92.96	92.96			0.51	01/08/1914	771	18/12/1914			T(T1)				
6628-7207	01/01/1915		178.31	178.31	22.86	01/01/1915											
6628-7208		11.74	11.74	11.74					1270	11/04/1947			Qpah				
6628-7209									885	11/12/1914			Qpah				
6628-7213									1479	08/03/1972			Qpah				
6628-7214			27.43	27.43	18.97	12/03/1986			1049	01/03/1982	OBS		Qpah(Q2)		ADE104	H	H
6628-7215			4.88	4.88	3.3	28/01/1953	0.04	28/01/1953	514	28/01/1953			Qpah				
6628-7216	16/11/1951	31	99.06	60.7	27.58	17/03/2026	11.37	26/03/1952	1103	23/09/2014		RHB	Tomw(T1)	40414	ADE152	C	H
6628-7217	01/06/1973	4.57	15.24	15.24	7.28	19/10/1988			1295	27/07/1973	OBS		Qpah		ADE109	H	N
6628-7218			13.11	0	3.66	07/10/1948			442	07/10/1948		BKF	Qpah	425938			
6628-7219			10.06	10.06	8.53	17/08/1945			543	17/08/1945			Qpah				
6628-7220			9.14	9.14	5.79	28/10/1971	0.3	28/10/1971	999	28/10/1971			Qpah				
6628-7221	07/01/1915	38.81	39.93	39.93									Qpah				
6628-7222	31/08/1934		21.03	21.03	1.52	31/08/1934	1.82	31/08/1934	542	31/08/1934		ABD	Qpah				
6628-7223			14.63	14.63	6.4	18/07/1934			499	18/07/1934			Qpah				
6628-7224	16/11/1914	67.06	74.98	74.98	38.4	16/07/1934	0.76	16/07/1934	128	26/04/1994			Qpah				

Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-7225	01/09/1934		13.41	13.41	10.97	06/09/1934			1185	06/09/1934			Qpah				
6628-7226			23.47	23.47	17.07	11/02/1946	0.38	11/02/1946	1013	11/02/1946			Qpah				
6628-7230	04/09/1968		106.68	0	44.2	04/09/1968			1200	29/08/1968		BKF	T(T1)				
6628-7988									2216	02/10/1914			Qpah				
6628-7989			6.71	6.71	5.79	09/10/1936			2470	12/10/1936			Qpah				
6628-7990			11.89	11.89					2730	04/11/1934			Qpah				
6628-7991			9.75	9.75	3.05	27/02/1932	1.89	27/02/1932	2156	27/02/1932			Qpah				
6628-7992			10.67	10.67	4.57	31/08/1914			3189	08/09/1914			Qpah				
6628-7993			7.01	7.01	3.95	11/03/1988			1580	16/03/1988	OBS		Qpah		ADE106	H	H
6628-7994			8.23	8.23	5.79	31/01/1968			2030	31/01/1968			Qpah				
6628-7995			8.53	8.53					3274	28/09/1914			Qpah				
6628-7996			7.32	7.32					2156	19/11/1934			Qpah				
6628-7997			10.97	10.97	5.18	03/04/1962	0.38	03/04/1962	1573	03/04/1962			Qpah				
6628-7998	01/08/1934	10.06	14.63	14.63	7.92	21/08/1934			1355	22/09/1934			Qpah				
6628-7999			6.71	6.71	5.49	05/10/1949			1427	05/10/1949			Qpah				
6628-8002	02/11/1967	11.74	12.34	12.34	3.81	02/11/1967	0.45	02/11/1967	1645	03/11/1967			Qpah				
6628-8003			31.7	31.7					571	01/10/1934							
6628-8004			15.24	15.24	10.27	05/09/2008	1.25	15/07/1949	1043	07/03/1988	OBS	OPR	Qpah(Q1)		ADE150	H	H
6628-8006			10.06	10.06	7.77	26/09/1934			785	26/09/1934			Qpah				
6628-8007			4.88	4.88	4.88	04/12/1956			1444	04/12/1956			Qpah				
6628-8012			12.8	12.8					786	19/10/1914			Qpah				
6628-8013	19/12/1969		17.68	17.68													
6628-8014	16/10/1934	18.24	18.9	18.9	10.36	16/10/1934	0.51	16/10/1934	66	16/10/1934			Qpah				
6628-8015									1145	07/10/1953			Qpah				
6628-8016			21.34	21.34	15.24	10/12/1945	0.51	10/12/1945	956	10/12/1945			Qpah				
6628-8017	03/11/1934	18.29	20.42	19.2	11.58	03/11/1934	0.63	03/11/1934	1130	16/11/1934			Qpah				
6628-8018	01/01/1972	17.83	18.29	18.29	7.01	08/02/1973	0.88	08/02/1973	843	08/02/1973			Qpah				
6628-8019	13/07/1934	12.19	14.78		10.66	13/07/1934	10.5	13/07/1934					Qpah				
6628-8020	01/08/1914		76.2	76.2									Tomw(T1)				
6628-8021									1170	21/11/1967							
6628-8022		21.95	34.75	34.75	0.61	15/02/1973	1.01	15/02/1973	766	15/02/1973			Qpah				
6628-8023		15.24	34.75	34.75	1.52	28/11/1967	1.01	28/11/1967	745	28/11/1967			Qpah				
6628-8024			14.02	14.02	6.71	11/12/1967	0.51	11/12/1967	985	11/12/1967			Qpah				
6628-8025			7.01	7.01			0.75	01/01/1977	794	05/09/1977			Qpah				
6628-8026	01/04/1934		15.24	0	4.57	10/04/1934	1.26	10/04/1934	957	10/04/1934		BKF	Qpah	279881			
6628-8027			17.37	17.37	11.89	01/05/1939	0.38	01/05/1939	785	01/05/1939			Qpah				
6628-8028	01/01/1914		15.85	15.85					514	03/11/1914			Qpah				
6628-8029	17/08/1934	12.8	16.15										Qpah				
6628-8030			18.29	18.29					529	12/11/1914			Qpah				
6628-8031			10.67	10.67					729	02/11/1914			Qpah				
6628-8032			8.23	8.23	3.66	10/11/1967			445	10/11/1967			Qpah				
6628-8033	18/09/1934	13.11	13.41	13.41	10.67	18/09/1934	0.61	18/09/1934	471	18/09/1934			Qpah				

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6628-8034			21.34	0	8.23	10/12/1957	0.76	10/12/1957	1276	24/10/2012		BKF	Qpah	411104			
6628-8997	25/01/1979	15	15	15	10	25/01/1979	0.6	25/01/1979	663	03/11/2020			Qpah	5195			
6628-9479	09/04/1979	19.28	25	25	13	09/04/1979	0.15	09/04/1979	633	07/04/1979			Qpah	5422			
6628-10999	21/02/1979	15	15	15	4	21/02/1979	1.2	21/02/1979	1160	21/02/1979			Qpah	5313			
6628-11000	28/01/1979	15	15	15	3	28/01/1979	2.53	28/01/1979	1138	30/01/1979			Qpah	4284			
6628-11076	30/01/1979	15	15	15	9.65	29/06/1995	0.32	07/10/1982	1132	05/05/1982	OBS	BKF	Qpah(Q1)	5179	ADE110	H	H
6628-11100	11/09/1979	14.4	14.4	14.4	3.6	11/09/1979	1.25	11/09/1979	994	12/11/1979			Qpah	90305			
6628-11165	20/10/1979	12	12	12					1160	20/10/1979	DRN		Qpah	6361			
6628-11353	19/03/1980	12	28	28	6.05	21/05/2024	0.35	19/03/1980	286	05/05/1982	DOM	OPR	Qpah		ADE108	H	H
6628-11515	24/10/1980	6.7	6.71	6.71	3.05	24/10/1980	0.19	24/10/1980					Qpah	6500			
6628-11545	03/11/1980		18.3	0	5.5	03/11/1980	0.18	03/11/1980				BKF	Qpah	7887			
6628-11594	26/01/1979		13	13	4.71	17/03/2026	1.26	26/01/1979	1235	04/09/2007	OBS		Qpah(Q1)	5161	ADE107	C	H
6628-11692	21/10/1979	12.6	12.6	12.6	6	21/10/1979	5	21/10/1979	882	21/10/1979			Qpah	6236			
6628-11695	16/12/1980	18	18	18	3	16/12/1981	0.13	16/12/1981	1934	19/12/1980			Qpah	8124			
6628-11771	07/07/1981	14.1	14.1	14.1	4.5	07/07/1981	0.5	07/07/1981	1647	07/07/1981			Qpah	8742			
6628-11775														3285			
6628-11800	10/08/1981	9.9	9.9	9.9	4.4	10/08/1981	0.5	10/08/1981	838	10/08/1981	DRN		Qpah	9308			
6628-11859	01/11/1981	1.22	7	7	2	01/01/1983	0.38	01/01/1983					Qpah	9170			
6628-11966	07/04/1982	16.7	16.7	16.7	10	07/04/1982	0.4	07/04/1982	816	19/04/1982			Qpah	10030			
6628-11984	10/05/1982	12.1	12.1	12.1	2.4	10/05/1982	0.5	10/05/1982	1692	10/05/1982			Qpah	10277			
6628-12025			6	6	2.1	01/09/1982			1005	01/09/1982			Qpah	9380			
6628-12187	02/03/1983	22	22	22	16	02/03/1983	0.75	02/03/1983	1149	02/03/1983	DOM	OPR	Qpah	12018			
6628-12280	07/05/1983	22.6	22.6	22.6	6	07/05/1983	0.7	07/05/1983					Qpah	12589			
6628-12281	03/05/1983	24.5	26.4	26.4	6.5	03/05/1983	0.8	03/05/1983	1356	04/05/1983			Qpah	12252			
6628-12286	12/05/1983	22	22	22	5.5	12/05/1983	0.9	12/05/1983	1041	20/03/2019			Qpah	12731			
6628-12485	21/09/1982	10	10	10	2.5	21/09/1982	1.5	21/09/1982	1244	21/09/1982	DOM	OPR	Qpah	10690			
6628-12487	22/06/1983		15.2	0		15/05/2009	1	22/06/1983	672	22/08/1983	DOM	BKF	Qpah	162328			
6628-12518	28/10/1983	30	30	30	5	28/10/1983	0.8	28/10/1983	888	31/10/1983	DOM	OPR	Qpah	13475			
6628-12527	30/09/1983	13.7	13.7	13.7	5.4	30/09/1983	1	30/09/1983	927	30/09/1983	IRR	OPR	Qpah	13301			
6628-12528	26/10/1983	22.8	22.8	22.8	4.8	26/10/1983	1	26/10/1983	539	26/10/1983	DOM	OPR	Qpah	13185			
6628-12549	21/10/1983	43	114	114	10.61	19/06/1989	6.09	21/10/1983	1071	11/11/1987	OBS		Tomw(T1)	93077	ADE154	H	H
6628-12572	30/11/1983	20	25	25	4	30/11/1983	0.7	30/11/1983	2036	30/11/1983	DOM	OPR	Qpah	13638			
6628-12608	09/12/1983	12	12	12	1	09/12/1983	0.6	09/12/1983			DOM	OPR	Qpah	12541			
6628-12610	27/10/1983	24	27.43	27.43	4.6	27/10/1983	3	27/10/1983	882	28/10/1983	DOM	NL	Qpah	93069			
6628-12674	16/01/1984	16.2	16.2	16.2	4.5	16/01/1984	2.5	16/01/1984	1535	16/01/1984	DOM	OPR	Qpah	13531			
6628-12820	24/01/1984	4	8	8	3	24/01/1984			1552	24/01/1984			Qpah				
6628-12828	28/02/1984	24	24	24			0.3	28/02/1984	1373	28/02/1984	DOM	OPR	Qpah	13911			
6628-12927	27/01/1984	32	32	32	5	27/01/1984	1	27/01/1984	1210	31/01/1984			Qpah	93285			
6628-13049	18/09/1984	12	18	13.7		12/03/2026	0	18/09/1984	2840	18/09/1984	OBS	OPR	Qpah(Q1)	93713	ADE176	C	N
6628-13054	25/09/1984	29	57	16	14.22	12/03/2026	0	20/09/1934	2613	25/09/1984	OBS	OPR	Qpah(Q2)	93714	ADE177	C	N
6628-13067	24/10/1984	27	27	27	12	24/10/1984	0.75	24/10/1984	3012	24/10/1984	DRN	OPR	Qpah	15339			
6628-13320	19/05/1985	8	8	8	5	19/05/1985			1132	19/05/1985	DOM	OPR	Qpah	16757			

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6628-13370	11/07/1985	28	30	30	5	29/07/1985	0.5		1088	29/07/1985	DRN	OPR	Qpah	17028			
6628-13393	01/08/1985		8	8	3	12/08/1985			1692	12/08/1985	DOM	OPR	Qpah	17124			
6628-13479	26/02/1985	20	20.1	20.1	11	26/02/1985	0.63	26/02/1985	1183	26/02/1985	DRN	OPR	Qpah	93988			
6628-13491	21/10/1985	20	20	20	0	28/10/1985	0.5	21/10/1985	894	22/10/1985	IRR	OPR	Qpah	17516			
6628-13524	25/11/1985	37	40	40	33	05/12/1985	0.09	25/11/1985	432	26/11/1985	IRR	OPR	Qpah	17558			
6628-13594	04/12/1985	2	44	0								BKF		94236			
6628-13606	15/03/1986	31	31	31	12	03/04/1986	0.75	15/03/1986	1092	15/03/1986			Qpah	18104			
6628-13696	24/04/1986	36.4	36.4	36.4	0	24/04/1986	0	01/01/1900	1021	23/11/1988			Qpah				
6628-13797	19/09/1986	20	20	20	8	06/10/1986	1.26	19/09/1986	1032	06/10/1986	DRN	OPR	Qpah	94576			
6628-13885	01/01/1987	6.7	6.7	6.7	3.04	05/02/1987			1770	05/02/1987			Qpah	19294			
6628-13908	07/03/1987	13.7	13.7	13.7	6.7	13/03/1987	0.5	07/03/1987	1647	13/03/1987			Qpah	19484			
6628-13911	01/03/1987	13	13	13	7.8	25/03/1987	0.2	01/03/1987	1732	10/11/1987			Qpah	19587			
6628-13956	02/05/1987		18	18	8	12/05/1987	0.75	02/05/1987	465	12/05/1987			Qpah	19614			
6628-14015	22/09/1987	21	21	21	12	29/09/1987	1.5	22/09/1987	1317	29/09/1987			Qpah	20257			
6628-14044	28/09/1987	8.1	8.1	8.1	0	17/11/1987					DRN	OPR	Qpah	20279			
6628-14062	01/12/1987	9.5	9.5	9.5	7	18/01/1988			772	18/01/1988			Qpah	20599			
6628-14179	01/01/1988	6	6.5	6.5	3.5	01/01/1988	0.25	01/01/1988					Qpah	20413			
6628-14204	05/03/1988	30	48	48	7	05/03/1988	0					ABD	Qpah	20785			
6628-14205	05/03/1988		24	0	7	19/05/1988	0.82	05/03/1988				ABD	Qpah	46574			
6628-14209	03/12/1991	16.1	16.1	16.1	6.1	03/12/1991	1	03/12/1991	1640	01/03/2005			Qpah(Q1)	26433			
6628-14220	04/05/1988	12	14	14	8.2	04/05/1988	1.6	04/05/1988	1737	02/05/1988	DOM	OPR	Qpah	20353			
6628-14287	22/07/1988	17	17	17	0	19/10/1988	1	22/07/1988	2234	25/09/2001	DOM	OPR	Qpah	21362			
6628-14349	29/03/1988	15	15	15	8.3	19/10/1988	2.75	29/03/1988	799	19/10/1988	DRN	OPR	Qpah	94933			
6628-14360	01/02/1988	10	11	11	3	16/09/1988	0.03	01/02/1988	1373	16/09/1988	DOM	OPR	Qpah	21073			
6628-14361	01/10/1988	9	9	9	9	17/11/1988			1005	17/11/1988			Qpah	20619			
6628-14404	29/03/1989	15	15	15	8.3	29/03/1989	1.88	29/03/1989	799	19/10/1988	DRN		Qpah	94934			
6628-14505	03/08/1989	21.3	27.4	27.4	17.9	03/08/1989	1	03/08/1989	1100	03/08/1989	DRN	OPR	Qpah	23143			
6628-14518	28/05/1980		10.5	10.5							INV	ABD	Qpah				
6628-14528	03/12/1981		10.5	10.5							INV	ABD					
6628-14530	07/12/1981		10.5	10.5							INV	ABD					
6628-14531	08/12/1981		9.5	9.5							INV	ABD					
6628-14532	09/12/1981		4.8	4.8							INV	ABD					
6628-14533	10/12/1981		7.5	7.5							INV	ABD					
6628-15123	13/07/1989		24.2	0	8.2	20/11/1989	1	13/07/1989				BKF	Qpah	21899			
6628-15124	04/11/1989	16.1	16.1	16.1	11.2	20/11/1989	1	04/11/1989	644	20/11/1989	DOM	OPR	Qpah	23463			
6628-15153	09/01/1990		10	10	4	09/01/1990					DOM	OPR	Qpah	23637			
6628-15154	07/01/1990		28	28	18	23/01/1990			1928	23/01/1990	DOM	OPR	Qpah	23420			
6628-15422	14/11/1990	13	13	13	0	14/11/1990			1027	14/11/1990	DOM	OPR	Qpah	24934			
6628-15423	14/11/1990	12	12	12	0	14/11/1990			1776	14/11/1990	DOM	OPR	Qpah	24958			
6628-15427	05/01/1991	16	16	16	7.3	05/01/1991	1.5	05/01/1991	645	05/01/1991			Qpah	25046			
6628-15428	07/12/1990	10.5	10.5	10.5	2.8	07/12/1990	1.25	07/12/1990	1963	07/12/1990			Qpah	25039			
6628-15443	05/01/1991	16.3	16.3	16.3	9.3	05/01/1991	1	05/01/1991	683	05/01/1991	DOM	OPR	Qpah	24871			

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6628-15500	12/03/1991	17.2	17.2	17.2	11.8	03/04/1991	1.2	12/03/1991	750	03/04/1991	DOM	OPR	Qpah	25415			
6628-15502	02/03/1991	16	20	20	16	03/04/1991	1	02/03/1991	850	03/04/1991	IRR	OPR	Qpah	24402			
6628-15509	05/04/1991	21.4	21.4	21.4	13.5	19/04/1991	1	05/04/1991	531	19/04/1991	DOM	OPR	Qpah	25552			
6628-15611	19/08/1991	27.4	39.6	39.6	16.5	20/09/1991	130	19/08/1991	612	20/09/1991	DOM	OPR	Qpah	25863			
6628-15612	18/09/1991	21.6	21.6	21.6	12.2	20/09/1991	1.2	18/09/1991	629	20/09/1991	DOM	OPR	Qpah	25907			
6628-15614	12/09/1991	18	18	18	0	20/09/1991	1	12/09/1991	772	20/09/1991	DOM	OPR	Qpah	26084			
6628-15623	25/07/1991	20	20	20	10	24/09/1991	0.4	25/07/1991	1067	24/09/1991	DOM	OPR	Qpah	25436			
6628-15624	10/09/1991	36	36	36	24	10/09/1991	0.7	10/09/1991	999	24/09/1991	DOM	OPR	Qpah	26022			
6628-15625	07/02/1991	36	36	36	16.2	24/09/1991	0.2	07/02/1991	683	24/09/1991	DOM	OPR	Qpah	26021			
6628-15626	03/08/1991	21.7	21.7	21.7	13	24/09/1991	0.4	03/08/1991	734	24/09/1991	DOM	OPR	Qpah	24756			
6628-15636	20/09/1991	17.2	17.2	17.2	6.1	20/09/1991	1.5	20/09/1991	1078	20/09/1991	DOM	OPR	Qpah	26196			
6628-15637	10/09/1991	16.8	16.8	16.8	12.3	10/09/1991	1.5	10/09/1991	1016	10/09/1991	DOM	OPR	Qpah	26087			
6628-15663	20/09/1991		18.3	0	7.5	20/09/1991	1.5	20/09/1991	750	20/09/1991	DOM	ABD	Qpah	34423			
6628-15664	19/10/1991	15	15	15	5.2	19/10/1991			1049	19/10/1991	DOM	OPR	Qpah	26311			
6628-15725	16/10/1991	20.4	20.4	20.4	8.5	16/10/1991	1	16/10/1991	1647	16/10/1991	DOM	OPR	Qpah	26320			
6628-15806	28/11/1991	24.5	24.5	24.5	10.2	28/11/1991			945	28/11/1991	DOM	OPR	Qpah	26485			
6628-15823	19/12/1991	17.4	17.4	17.4	5.2	21/01/1992	2.5	19/12/1991	1703	21/01/1992	DOM	OPR	Qpah	26643			
6628-15827	29/11/1991	18.3	18.3	18.3	9.7	21/01/1992	1.25	29/11/1991	1056	21/01/1992	DOM	OPR	Qpah	26212			
6628-15828	29/11/1991	18.3	18.3	18.3	9.2	21/01/1992	1	29/11/1991	1692	29/11/1991	DOM	OPR	Qpah	26553			
6628-15829	19/12/1991	19.8	19.8	19.8	8.7	21/01/1992	1	19/12/1991	1312	21/01/1992	DOM	OPR	Qpah	25658			
6628-15832	23/12/1991	9	9	9	3.1	21/01/1992	1.25	23/12/1991	1502	21/01/1992	DOM	OPR	Qpah	26652			
6628-15834	23/12/1991	17.3	17.3	17.3	4.1	21/01/1992	1	23/12/1991	7748	21/01/1992	DOM	OPR	Qpah	26641			
6628-15836	07/01/1992	18	18	18	0	20/01/1992					DOM	OPR	Qpah	26642			
6628-15880	23/01/1992	18	18	18	9	31/01/1992			1234	31/01/1992	DOM	OPR	Qpah	26832			
6628-15882	01/02/1992	9.3	9.3	9.3	2.9	04/02/1992			1714	04/02/1992	DOM	OPR	Qpah	26776			
6628-15902	10/02/1992	19	19	19	0	12/02/1992			1502	12/02/1992	DOM	OPR	Qpah	26935			
6628-15939	25/02/1992	18	18	18	0	16/03/1992			1024	16/03/1992	DOM	OPR	Qpah	27181			
6628-15974	26/03/1992	18	18	18	7.5	30/03/1992			1765	30/03/1992	DOM	OPR	Qpah	27367			
6628-15976	01/01/1950		3									BKF					
6628-16006	09/04/1992	18	18	18	6.8	13/04/1992			1428	13/04/1992	DOM	OPR	Qpah	27468			
6628-16007	11/04/1992	18	18	18	4.8	24/04/1992			1873	24/04/1992	DOM	OPR	Qpah	27416			
6628-16049	06/05/1992	30	30	30	4.5	23/06/1992	0.1	06/05/1992	1049	23/06/1992	DOM	OPR	Qpah	27167			
6628-16084	12/06/1992	13	14.3	14.3	6.05	12/06/1992					DRN	OPR	Qpah	27827			
6628-16148	09/09/1992	19.8	19.8	19.8	8	24/09/1992	1.7	09/09/1992	750	24/09/1992	DOM	OPR	Qpah	28122			
6628-16242		5	5								OBS			28872			
6628-16243		5	5								OBS		Qpah	28873			
6628-16244		5	5								OBS		Qpah	28874			
6628-16247		24	24	24	13	24/03/1993			336	24/03/1993	DOM		Qpah	27400			
6628-16365	08/03/1993	24	24	24					1412	24/03/1993	DOM		Qpah	29100			
6628-16376	25/03/1993	16.5	16.5	16.5			1	25/03/1993	1518	05/04/1993	DOM		Qpah	27472			
6628-16377	28/04/1993	12	12	12			1	28/04/1993	1350	14/05/1993	DOM		Qpah	27696			
6628-16381	26/09/1990	19	19	19	12		0.61	26/09/1990			DOM		Qpah	23946			

Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-16384	23/02/1993	18	18	18					1838	15/03/1993	DOM		Qpah	29050			
6628-16386	20/05/1993	15.3	15.3	15.3			1	20/05/1993	827	31/05/1993	DOM		Qpah	29527			
6628-16412	25/10/1993	23	23	23					1917	17/11/1993	DOM			30327			
6628-16421	05/06/1993	14.2	14.2	14.2			0.75	05/06/1993	1855	23/06/1993	DOM		Qpah	29697			
6628-16459	10/09/1993	24	24	24					1709	24/09/1993	DOM		Qpah	29876			
6628-16512	12/10/1993	16.4	16.4	16.4			1.2	12/10/1993	1066	15/12/1993	DOM		Qpah	30088			
6628-16513	18/10/1993	12.2	12.2	12.2			2.5	18/10/1993	916	15/12/1993	DOM		Qpah	30116			
6628-16514	07/12/1993	15	15	15					2064	14/12/1993	DOM		Qpah	30607			
6628-16522	19/10/1993	15.3	15.3	15.3			1	19/10/1993	944	15/12/1993	DOM		Qpah	30301			
6628-16526	01/12/1993		24	0							DOM	ABD		30584			
6628-16552	14/01/1994	18	18	18			1.5	14/01/1994	1061	02/02/1994	DOM		Qpah	30851			
6628-16553	19/01/1994	21	21	21					1322	24/01/1994	DOM		Qpah	30887			
6628-16617	26/04/1994	18	18	18					1541	29/04/1994	DOM		Qpah	31534			
6628-16633	16/05/1994		18						2284	12/09/1994	DOM		Qpah	31699			
6628-16704	05/10/1994	24	24	24					2143	05/10/1994	DOM		Qpah	32556			
6628-16706	06/10/1994	24	24	24					2030	06/10/1994	DOM		Qpah	32646			
6628-16819	25/11/1994	18	18	18					1647	25/11/1994	DOM		Qpah	33034			
6628-16824	30/11/1994	24	24	24	3.6	30/11/1994			1845	30/11/1994	DOM		Qpah	33057			
6628-16826	05/12/1994	17	17	17			1.5	05/12/1994	1664	05/12/1994	DOM		Qpah	33150			
6628-16845	06/12/1994		6	0							DOM	ABD		33205			
6628-16849	13/12/1994	17	17	17			0.8	13/12/1994	1642	13/12/1994	DOM		Qpah	32938			
6628-16892	06/01/1995		13.5	0					2579	06/01/1995	DOM	BKF	Qpah	185145			
6628-16893	17/11/1994	19	19	19			0.9	17/11/1994	1861	17/11/1994	DOM		Qpah	32666			
6628-16920	20/09/1994	20	20	20	6.9	20/09/1994			1468		DRN		Qpah	32516			
6628-16944	18/02/1995	12.6	12.6	12.6			0.75	18/02/1995	1407	18/02/1995	DOM		Qpah	34276			
6628-16972	17/01/1995	16	16	16					1912	17/01/1995	DOM		Qpah	33656			
6628-16973	19/01/1995	24	24	24					1597	19/01/1995	DOM		Qpah	33495			
6628-16985	21/02/1995	15	15	15			1.25	21/02/1995	1496	21/02/1995	DOM		Qpah	33318			
6628-16986	06/02/1995	16	16	16			0.5	06/02/1995	843	06/02/1995	DOM		Qpah	33048			
6628-16991	31/01/1995	17.5	18	18			1	31/01/1995	761	31/01/1995	DOM		Qpah	33988			
6628-16999	02/08/1993		9.95	9.95													
6628-17087	03/03/1995	24.4	26	26			1.2	03/03/1995	628	03/03/1995	DOM		Qpah	33342			
6628-17243	06/04/1995	20	20	20			1	06/04/1995	1105	06/04/1995	DOM		Qpah	34593			
6628-17244	03/05/1995	18	18	18			2	03/05/1995	832	01/05/1995	DOM		Qpah	34819			
6628-17252	08/05/1995	20	20	20			0.5	08/05/1995	683	08/05/1995	DOM		Qpah	34633			
6628-17256	05/04/1995	32	32	32			0.25	05/04/1995	594	05/04/1995	DOM		Qpah	34651			
6628-17263	16/05/1995	20	20	20			3	16/05/1995	2352	16/05/1995	DOM		Qpah	34601			
6628-17277	03/03/1995		24.5	24.5			1.3	03/03/1995	783	03/03/1995	DOM		Qpah	34684			
6628-17346	21/06/1995	26	26	26			0.5	21/06/1995	1872	21/06/1995	DOM		Qpah	34815			
6628-17347	15/08/1995	30	30	30			0.5	15/08/1995	1726	15/08/1995	DOM		Qpah	34816			
6628-17348	15/08/1995	30	30	30			0.5	15/08/1995	1418	16/08/1995	DOM		Qpah	35569			
6628-17357		18	18				0.75	20/06/1995	1345	20/06/1995	DOM		Qpah	34788			

Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-17358	07/07/1995	14.5	14.5	14.5			1.4	07/07/1995	1815	07/07/1995	DOM		Qpah	35289			
6628-17359	08/03/1995	24	25	24			0.25	08/03/1995	732	21/02/2018	DOM		Qpah	34422			
6628-17366	28/08/1995	22	30	30			0.5	28/08/1995	788	28/08/1995	DOM		Qpah	35465			
6628-17368	16/12/1992	13.3	13.3	13.3			1.5	16/12/1992			DOM		Qpah	30755			
6628-17370	23/06/1995	22	22	22			2	23/06/1995	1317	23/06/1995	DOM		Qpah	35365			
6628-17420	18/10/1995		30	30			0.5	12/09/1996	1032	12/09/1996	DOM		Qpah	38248			
6628-17421	02/10/1995	20.5	20.5	20.5			0.5	02/10/1995	2126	02/10/1995	DRN		Qpah	35575			
6628-17422	05/10/1995	23.5	23.5	23.5			1	05/10/1995	1038	05/10/1995	DOM		Qpah	35763			
6628-17423	02/10/1995	24	24	24			0.25	02/10/1995	2391	02/10/1995	DRN		Qpah	35576			
6628-17424	13/11/1995	24	24	24			0.5	13/11/1995	517	13/11/1995	DOM		Qpah	36173			
6628-17426	26/10/1995	25	25	25			0.5	26/10/1995	605	26/10/1995	DOM		Qpah	35978			
6628-17429	02/11/1995	20	26	26			0.5	02/11/1995	617	02/11/1995	DOM		Qpah	36138			
6628-17430	21/10/1995	24	24	24	5.9	21/10/1995					DOM		Qpah	35794			
6628-17463	28/11/1995	20	20	20			0.13	28/11/1995	1676	28/11/1995	DOM		Qpah	36208			
6628-17466	27/12/1995	23	23	23			0.19	27/12/1995	1027	27/12/1995	DOM		Qpah	36650			
6628-17474	21/11/1995	21	21	21			0.4	21/11/1995	2052	21/11/1995	DOM		Qpah	34778			
6628-17475	14/11/1995	24	24	24			0.5	14/11/1995	1390	14/11/1995	DOM		Qpah	36126			
6628-17483	22/09/1995	30	30	30			0.5	22/09/1995	1575	22/09/1995	DOM		Qpah	35833			
6628-17485	15/09/1995	24	24	24	6.8	15/09/1995	1.5	15/09/1995	2437	15/09/1995	DOM		Qpah	35792			
6628-17512	13/12/1995	16.5	16.5	16.5			0.44	13/12/1995	1945	13/12/1995	DOM		Qpah	36333			
6628-17516	28/12/1995	18	18	18					1452	28/12/1995	DOM		Qpah	36535			
6628-17521	08/01/1996		22	22			0.5	08/01/1996	550	08/01/1996	DOM		Qpah	34050			
6628-17539	05/01/1996	18	18	18			0.76	05/01/1996	1962	05/01/1996	DOM		Qpah	33823			
6628-17540	26/12/1995	24	24	24			0.5	26/12/1995	2585	26/12/1995	DOM		Qpah	36413			
6628-17625	25/08/1995	25	25	0			0.05	25/08/1995				ABD	Qpah	35647			
6628-17626	29/09/1995	26	26	26			1.25	29/09/1995	950	23/05/2014			Qpah	35647			
6628-17657	11/01/1996	18.5	18.5	18.5			0.2	11/01/1996	611	19/01/1996	DOM		Qpah	36646			
6628-17806	28/02/1996	24	24	24			0.5	28/02/1996	672	28/02/1996	DOM		Qpah	36464			
6628-17811	15/02/1996		24	24	11	15/02/1996	0.5	13/02/1996	1016	15/02/1996	DOM		Qpah	36412			
6628-17819	10/04/1996	16	16	16			1.4	10/04/1996	1620	10/04/1996	DOM		Qpah	37376			
6628-17841	17/01/1996	30	30	30					1575	17/01/1996	DOM		Qpah	36636			
6628-17842	15/02/1996	18	18	18			0.5	15/02/1996	871	15/02/1996	DOM		Qpah	36941			
6628-17859	23/04/1996	18	18	18					1434	23/04/1996	DOM		Qpah	35288			
6628-17861	08/02/1996	5.5	5.5	5.5							DRN		Qpah	36797			
6628-17902	30/05/1996	15	15	15			2.2	30/05/1996	1367	30/05/1996	DRN		Qpah	37881			
6628-17929	28/05/1996	24	24	24			2	28/05/1996	1066	28/05/1996	DOM		Qpah	37195			
6628-17964	20/06/1996	86	117	98	34.5	20/06/1996	2.5	18/06/1996	540	14/12/2005	DRN	OPR	T(T1)	37983			
6628-17968	18/06/1996	33	33	33			1	18/06/1996	605	18/06/1996	DOM		Qpah	37522			
6628-17990	19/09/1996	31	33	33			0.5	19/09/1996	2493	19/09/1996	DOM		Qpah	36496			
6628-18092	06/10/1996	31	31	31			0.5	06/10/1996	927	05/10/1996	DOM		Qpah	38045			
6628-18094	29/02/1996	25	25	25			0.5	29/02/1996	1038	29/02/1996	DOM		Qpah	34615			
6628-18113	23/11/1996	8	30	30	8	23/11/1996	0.5	21/11/1996	1378	16/01/1997	DOM		Qpah	37861			

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6628-18114	10/10/1996	9	30	30	9	10/10/1996	0.5	08/10/1996	1300	09/11/1996	DOM		Qpah	38844			
6628-18115	01/10/1996	31	31	31	12	01/10/1996	0.5	26/09/1996	1116	14/11/2002	DOM		Qpah	37473			
6628-18119	25/11/1996	7	18	18	7	25/11/1996	0.5	24/11/1996	1614	25/11/1996	DOM		Qpah	39567			
6628-18120	29/11/1996	10.5	19	19	9	29/11/1996			633	29/11/1996	DOM		Qpah	39277			
6628-18124	20/11/1996	8	24	24	8	20/11/1996	0.5	18/11/1996	1468	20/11/1996	DOM		Qpah	38930			
6628-18126	23/11/1996	17.5	17.5	17.5	9	23/11/1996	0.75	23/11/1996	905	23/11/1996	DOM		Qpah	39111			
6628-18127	28/11/1996		21	0	8.3	28/11/1996			1923	28/11/1996	DOM	BKF	Qpah	281532			
6628-18129	03/12/1996	10	30	30	10	03/12/1996	0.5	02/12/1996	1233	03/12/1996	DOM		Qpah	39144			
6628-18159	24/11/1996	37	38.5	38.5	14.3	24/11/1996	1	24/11/1996	1923	24/11/1996	DOM		Qpah	38759			
6628-18160	14/08/1996	14	14	14	3	14/08/1996	0.25	14/08/1996	1328	14/08/1996	DOM		Qpah	38201			
6628-18209	07/03/1997	30	30	30	10	07/03/1997	0.5	05/03/1997	1564	07/03/1997	DOM		Qpah	39961			
6628-18246	16/01/1997	30	30	30	9	16/01/1997	0.5	16/01/1997	1340	03/01/1997	DOM		Qpah	39632			
6628-18265	15/02/1997	20	20	20	8	15/02/1997			1597	15/02/1997	DOM		Qpah	40141			
6628-18270	17/10/1996	18.5	18.5	18.5							OBS			39027			
6628-18290	05/03/1997	37	37	37	6	05/03/1997	2	05/03/1997	955	02/01/2015	DOM	OPR	Qpah	40549			
6628-18392	30/11/1996	36	36	36	8	30/12/1996	0.75	30/12/1996	927	30/11/1996	DOM		Qpah	39556			
6628-18409	12/12/1996	7.5	7.5	7.5							INV		Qpah	39539			
6628-18410	13/12/1996	17	25	25							MAR	NIU	Qpah	39540			
6628-18539	04/05/1997	22	22	22	9	04/05/1997	0.5	03/05/1997	916	04/05/1997	DRN		Qpah	41268			
6628-18540	19/05/1997	22	22	22	9	19/05/1997	0.5	17/05/1997	899	19/05/1997	DRN		Qpah	41304			
6628-18541		32	32	32	9	02/05/1996	0.5	30/04/1997	1049	02/05/1997	DOM		Qpah	41073			
6628-18558	16/01/1997	21	21	21	10	16/01/1997	0.5	15/01/1997			DOM		Qpah	37861			
6628-18576	18/07/1997	65	93.6	84.7	30.65	12/08/1997	4	18/07/1997	325	24/05/2000	MAR	NIU	Qpah	41793			
6628-18583	19/12/1995	24	24	24	8	19/12/1995	1.2	18/12/1995			DOM		Qpah	36061			
6628-18584	22/07/1997	19	19	19			0.1	22/07/1997	699	27/11/1998	DOM		Qpah	41697			
6628-18600	04/07/1997	30	30	30	9	04/07/1997	0.7	04/07/1997	1647	04/07/1997	DOM		Qpah	41726			
6628-18719	06/11/1997	21	21	21	6.6	06/11/1997	1	06/11/1997	699	06/11/1997	DOM		Qpah	39608			
6628-18720	05/11/1997	18	18	18	8.2	05/11/1997	1	05/11/1997	1957	05/11/1997	DOM		Qpah	42905			
6628-18723	24/10/1997	20	20	20	5.4	24/10/1997	1	24/10/1997	1306	09/11/2011	DOM		Qpah	42752			
6628-18765	18/10/1997	24	30	30	9	18/10/1997	0.5	10/10/1997	1434	18/11/1997	IRR		Qpah	39275			
6628-18766	11/10/1997	27	27	27	9	11/10/1997	0.5	07/10/1997	1468	11/10/1997	DOM		Qpah	41239			
6628-18767	11/12/1997	19	22	19	12.5	11/12/1997	1	11/12/1997	1027	11/12/1997	DOM		Qpah	43217			
6628-18768	01/12/1997	15	15	15	3.5	01/12/1997			1703	01/12/1997	DOM		Qpah	43239			
6628-18769	13/12/1997	30	30	30	12	13/12/1997	0.5	09/12/1997	650	13/12/1997	DOM		Qpah	39758			
6628-18771	22/08/1997	18	18	18	6	22/08/1997	0.5	20/08/1997	739	23/08/1997	DOM		Qpah	41873			
6628-18774	15/12/1997	19	19	19	9	15/12/1997			1832	15/12/1997	DOM		Qpah	43378			
6628-18799	31/01/1998	30	30	30	13	31/01/1998	0.5	15/01/1998	594	31/01/1998	DOM		Qpah	43476			
6628-18870	12/03/1998	20	20	20	9.6	12/03/1998	1	12/03/1998	927	12/03/1998	DOM		Qpah	44309			
6628-18928	03/04/1998	20	20	20	4.5	03/04/1998	0.38	03/04/1998	2126	03/04/1998	DOM		Qpah	44619			
6628-18960	03/02/1998	8	8	8	2	03/02/1998	0.67	03/02/1998			DOM		Qpah	41943			
6628-19018	06/06/1998	25	25	25	9	06/06/1998	0.5	04/06/1998	927	06/06/1998	DOM		Qpah	45122			
6628-19019	20/05/1998	30	30	30	14	20/05/1998	1.5	20/05/1998	672	20/05/1998	DOM		Qpah	44665			

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6628-19072	23/07/1998	27	29	29	13	23/07/1998	0.8	23/07/1998	637	27/12/2018	DOM		Qpah	45683			
6628-19086	11/08/1998	18	18	18	11	11/08/1998	1	11/08/1998	883	02/03/2005	DOM		Qpah	43918			
6628-19087	01/07/1998	32	32	32	15	01/07/1998	0.7	01/07/1998	556	01/07/1998	DOM		Qpah	44804			
6628-19175	23/09/1998	24	24	24	9	23/09/1998			1284	23/09/1998	DOM		Qpah	46327			
6628-19176	28/07/1998	28.5	36	36	12.5	28/07/1998	1.2	28/07/1998	1194	28/07/1998	DRN		Qpah	45137			
6628-19210	18/10/1998	34	34	34	15	18/10/1998	1	17/10/1998	699	16/10/1998	DOM		Qpah	46562			
6628-19226	03/12/1998	21.5	21.5	21.5	12	03/12/1998	1.1	03/12/1998	1266	03/12/1998	DOM		Qpah	47052			
6628-19259	11/11/1998		36	0							DOM	ABD		46840			
6628-19260	17/11/1998	27.5	30	30	11	17/11/1998	1	17/11/1998	628	17/11/1998	DOM		Qpah	46886			
6628-19275	11/12/1998	23	23	23	11	11/12/1998	0.5	11/12/1998	938	11/12/1998	DOM		Qpah	47310			
6628-19330	22/01/1999	15	15	15	3.8	22/01/1999	1	22/01/1999	1698	22/01/1999	DOM		Qpah	47500			
6628-19331	09/12/1998	14.5	14.5	14.5	5	09/12/1998	0.2	09/12/1998	1754	09/12/1998	DOM		Qpah	47206			
6628-19332	13/01/1999	21	21	21	7.5	13/01/1999	1	13/01/1999	961	13/01/1999	DOM		Qpah	47476			
6628-19335	07/01/1999	29	30	30	15	07/01/1999	1	07/01/1999	710	01/01/1999	DOM		Qpah	47475			
6628-19413	10/03/1999	15	18	15	6	10/03/1999	0.75	09/03/1999	1016	10/03/1999	DOM		Qpah	48183			
6628-19438	01/03/1999	21	21	21	4.5	01/03/1999	1	01/03/1999	1412	01/03/1999	DOM		Qpah	47997			
6628-19441	06/03/1999	26	26	26	11	06/03/1999	0.6	05/03/1999	677	06/03/1999	DOM		Qpah	47840			
6628-19469	15/04/1999	23	23	23	12	15/04/1999	0.38	15/04/1999	633	15/04/1999	DOM		Qpah	48188			
6628-19492	20/02/1999	30	30	30	9	20/02/1999	0.5	17/02/1999	1367	20/02/1999	DOM		Qpah	46431			
6628-19493	23/06/1999	37	37	37	11	23/06/1999	0.5	21/06/1999	1143	23/06/1999	DOM		Qpah	49295			
6628-19495	19/09/1998	30	30	30	11	19/09/1998	0.5	14/09/1998	1793	01/10/1998	DOM		Qpah	44936			
6628-19499	14/02/1999	30	30	30	9	14/02/1999	0.5	10/02/1999	1351	14/02/1999	DRN		Qpah	46539			
6628-19509	01/04/1999	31.2	31.2	31.2	10.5	01/04/1999	1.5	31/03/1999	699	01/04/1999	DOM		Qpah	48389			
6628-19534	19/04/1999	23	23	23	12	19/04/1999	0.5	09/04/1999	1367	19/04/1999	DOM		Qpah	48636			
6628-19574	16/06/1999		34	0	16	16/06/1999	1.5	15/06/1999	1038	16/06/1999	ENV	BKF	Tomw(T1)	51962			
6628-19634	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48412			
6628-19635	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48559			
6628-19636	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48560			
6628-19637	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48561			
6628-19638	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48562			
6628-19639	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48563			
6628-19640	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48564			
6628-19641	19/03/1999	7	7	7	5	19/03/1999	0.01	19/03/1999			MON		Qpah	48565			
6628-19986	10/01/2000	27	27	27	9	10/01/2000			1021	11/01/2000	DOM		Qpah	51311			
6628-19987	19/11/1999	27	27	27	12	19/11/1999	1.5	18/11/1999	1872	19/11/1999	DOM		Qpah	50142			
6628-19988	17/11/1999	21	21	21	7.8	17/11/1999			1676	17/11/1999	DOM		Qpah	50670			
6628-20052	21/02/2000	24	24	24	4	21/02/2000	1	21/02/2000	1210	21/02/2000	DOM		Qpah	51797			
6628-20115	22/02/2000	21	21	21	4.5	22/02/2000			1334	22/02/2000	DOM		Qpah	51880			
6628-20132	05/11/1999	30	30	30	2.5	05/11/1999	0.2	03/11/1999	772	06/05/2000	DOM		Qpah	50188			
6628-20145	14/04/2000	18	18	18	5	14/04/2000	0.25	14/04/2000	1146	17/05/2005	DOM		Qpah	50438			
6628-20149	03/12/1999	30	30	30	7	03/12/1999	0.5	01/12/1999	1047	20/04/2006	REC		Qpah	50745			
6628-20164	08/03/2000	34	35	35	16	08/03/2000	1	07/03/2000	876	09/03/2000	ENV		Tomw(T1)	51958			

Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-20194	13/03/2000	20	20	20	5	13/03/2000			1468	13/03/2000	DOM		Qpah	52005			
6628-20197	18/05/2000	24	24	24	6	18/05/2000	0.5	16/05/2000	1692	18/05/2000	DOM		Qpah	52554			
6628-20199	08/03/2000	20	20	20	6	08/03/2000			1832	08/03/2000	DOM		Qpah	51967			
6628-20248	18/05/2000	18	18	18	4.5	18/05/2000	1	18/05/2000	1804	18/03/2000	DOM		Qpah	52553			
6628-20249	26/06/2000	30	30	30	11	26/06/2000	5	26/06/2000	1872	26/06/2000	DOM		Qpah	51885			
6628-20347	21/09/2000	36	36	36	11	21/09/2000	0.5	21/09/2000	961	21/09/2000			Qpah	52609			
6628-20363	19/04/1999	18	18	18	3	19/04/1999	0.75	19/04/1999	816	19/04/1999	DOM		Qpah	44808			
6628-20364	10/10/2000	23.5	23.7	23.5	7	10/10/2000	1.2	10/10/2000	845	07/10/2014	DOM		Qpah	53632			
6628-20469	04/01/2001	37	37.5	37.5	14	04/01/2001	1.5	04/01/2001	944	04/01/2001	DOM		Qpah	54273			
6628-20510	12/02/2001	51	51	51	8.5	12/02/2001	0.35	13/02/2000	722	13/02/2001	IRR		Qpah(Q2)	54339			
6628-20513	15/02/2001	24	24	24	6	15/02/2001	0.5	15/02/2001	1401	15/02/2001	DOM		Qpah	54299			
6628-20579	27/03/2001	18	18	18	4.5	27/03/2001	0	27/03/2001	2334	27/03/2001	DOM		Qpah	55104			
6628-20602	09/05/2001	22	22	22	9	09/05/2001	0.6	09/05/2001	1390	09/05/2001	DRN		Qpah	55330			
6628-20664	09/07/2001	17.5	17.5	17.5	3	09/07/2001	0.75	09/07/2001	2358	24/08/2001	DRN		Qpah	55698			
6628-20780	10/11/2001	35	35	35	3	10/11/2001	1.5	10/11/2001	966	10/11/2001	DOM		Qpah	54677			
6628-20832	29/01/2002	22	22	22	15	29/01/2002	0.45	29/01/2002	1300	29/01/2002	DOM		Qpah	56992			
6628-20965	25/10/2002	25	46	46	18	25/10/2002	1	25/10/2002	1005	25/10/2002	DOM		Qpah	58157			
6628-20967	18/04/2002	12	24	24	13	18/04/2002	0.9	18/04/2002	2432	18/04/2002	DRN	OPR	Qpah	58120			
6628-20968	16/04/2002		24	24	14	16/04/2002	1.2	16/04/2002	2421	16/04/2002	DRN	OPR	Qpah	57956			
6628-20980	14/05/2002	20	20	20	12.8	14/05/2002	1	14/05/2002	927	14/05/2002	DOM		Qpah	58216			
6628-20981	30/06/2002		3	3							DRN		Qpah	58670			
6628-20983	30/06/2002		3	3							DRN		Qpah	58669			
6628-21011	18/07/2002		10	0	5.6	18/07/2002	115	18/07/2002	473	18/07/2002	DOM	BKF	Qpah	158676			
6628-21012	17/07/2002		30	28	8	18/05/2009	1.5	16/05/2009	468	17/07/2002	DOM		Qpah	160360			
6628-21028	10/12/2002		8	0								BKF		57990			
6628-21029	10/12/2002		12	0								BKF		57979			
6628-21030	10/12/2002		12	0								BKF		57989			
6628-21037	18/11/2001	30	30	30	9	18/11/2001	30	17/11/2001	3131	18/11/2001	DOM		Qpah	56257			
6628-21042	21/07/2002	10	30	30			0.5	21/07/2002	5316	21/07/2002	DOM		Qpah	56983			
6628-21064	23/05/2002	4	7	7	3.1	23/05/2002					MON		Qpah	59600			
6628-21121	04/12/2001	6	16	16	5	04/12/2001	0.5	04/12/2001	2182	04/12/2001	DOM		Qpah	56694			
6628-21139	19/02/2002	6	17	17	4	19/02/2002	0.8	19/02/2002	1457	19/02/2002	DOM		Qpah	57081			
6628-21179	23/01/2003	16	18.5	18.5	9.2	23/01/2003	0.5	23/01/2003	843	23/01/2003	DOM		Qpah	60824			
6628-21196	14/04/2003	4.5	7.5	7.5	3.03	14/04/2003					MON		Qpah	61805			
6628-21216	04/11/2002	9	30	30	9	04/11/2002	0.5	02/11/2002	2138	04/11/2002	DOM		Qpah	60163			
6628-21217	13/03/2003	9	30	30	9	13/03/2003	0.5	27/02/2003	733	13/02/2003	DOM		Qpah	61201			
6628-21227	09/05/2003	8	8	8	0	09/05/2003					MON		Qpah	60049			
6628-21229	14/04/2003	8	8	8	4.13	14/04/2003					MON		Qpah	61804			
6628-21465	19/08/2003	15	21.5	19	11	19/08/2003	0.85	18/08/2003	1698	19/08/2003	DOM		Qpah	62657			
6628-21470	29/04/2003	23.5	30	30	12	29/04/2003	0.5	29/04/2003	739	29/04/2003	DOM		Qpah	61879			
6628-21474	17/07/2003	24	37.5	37.5	10	17/07/2003	0.5	15/07/2003	534	18/07/2003	IRR		Qpah(Q2)	60406			
6628-21475	23/07/2003	18	33	33	10	23/07/2003	7	23/07/2003	744	23/07/2003	DOM		Qpah	62669			

Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-21478	10/07/2003	28	33	33	6	10/07/2003	1	10/07/2003	1284	10/07/2003	DOM		Qpah	61821			
6628-21479	07/04/2003	5	8	8	5.5	07/04/2003					INV		Qpah	61802			
6628-21480	07/04/2003	5	8	8	5.5	07/04/2003					INV		Qpah	61801			
6628-21481	07/04/2003	5	8	8	5.6	07/04/2003					INV		Qpah	61803			
6628-21542	02/10/2003	25.5	31	30	13.5	02/10/2003	0.67	02/10/2003	1041	31/03/2013	DOM		Qpah	63043			
6628-21564	02/09/2003	21	25	25	6	02/09/2003	0.31	02/09/2003	1322	02/09/2003	DOM		Qpah	62993			
6628-21565	06/09/2003	26	32	32	11.7	06/09/2003	0.9	03/09/2003	750	06/09/2003	DOM		Qpah	61718			
6628-21567	08/01/2004		36	0	13.1	08/01/2004			1205	08/01/2004	DOM	BKF	Qpah	64437			
6628-21575	09/12/2003	25	33	33	6	09/12/2003	5	08/12/2003	928	16/12/2015	DOM		Qpah	64126			
6628-21613	28/01/2004	16	42	30	10	28/01/2004	0.5	28/01/2004	705	27/01/2004	DOM		Qpah	64199			
6628-21773	15/01/2004	24	30	30	12.5	15/01/2004	0.5	15/01/2004	550	15/01/2004	DOM		Qpah	63982			
6628-21774	19/05/2004	19	20	19	12	19/05/2004	0.5	19/05/2004	1519	19/05/2004	DOM		Qpah	63969			
6628-21776			21	21					1373	26/02/2004			Qpah	63451			
6628-21777	24/02/2004	17.5	21	21	6.2	24/02/2004	1	23/02/2004			DRN		Qpah	63451			
6628-21870	24/11/2003	3	8	8							INV		Qpah	63944			
6628-21969	10/02/2005	30	39	39	6	10/02/2005	1.25	09/02/2005					Qpah	104102			
6628-21976		19	23	23	6	03/07/2004	1.14	03/07/2004	900	03/07/2004	DOM		Qpah	66103			
6628-21982	02/02/2005	30	36.2	36.2	15.6	02/02/2005	2	01/02/2005	945	02/02/2005	DRN		Qpah	101587			
6628-22161	17/09/2004	24	30	30	11.8	17/09/2004	1	16/09/2004	616	17/09/2004	DOM		Qpah	64291			
6628-22166	31/01/2005	21	21	21	9.2	31/01/2005	0.7	31/01/2005	669	31/01/2005	DRN		Qpah	104126			
6628-22311	22/10/2005	12	18	18	8.5	22/10/2005	1	22/10/2005	1051	22/10/2005			Qpah	109874			
6628-22314	21/09/2005	11	24	18	11	21/09/2005	0.25	19/09/2005	1173	19/09/2005	INV	NIU	Qpah	110043			
6628-22315	12/09/2005	20	24	20	11	12/09/2005	0.25	19/09/2005	1821	19/09/2005	INV	NIU	Qpah	110044			
6628-22320		9	30	30	9	02/02/2004	0.5	31/01/2004	2199	02/02/2004	DRN		Qpah	62023			
6628-22332	22/03/2005		30	0		22/03/2005						BKF		104990			
6628-22333	23/03/2005	20.5	27.5	27.5	8	23/03/2005	1.52	23/03/2005	815	09/05/2005			Qpah	105329			
6628-22343	13/05/2004	8	18	18	8	13/05/2004	0.5	10/05/2004	1928	13/05/2004	DRN		Qpah	62809			
6628-22344	06/01/2004	10	32	32	10	06/01/2004	0.5	04/01/2004	733	06/01/2004	DOM		Qpah	64406			
6628-22392	28/10/2005	15	21.7	21.7	6	28/10/2005	0.85	28/10/2005	612	27/10/2005			Qpah	110742			
6628-22397	26/10/2005	15	21	21	6	26/10/2005	0.85	26/10/2005	638	25/10/2005			Qpah	110743			
6628-22416	19/01/2006	21	45	30	14	19/01/2006	0.75	18/01/2006	614	18/01/2006			Qpah	106692			
6628-22582	09/06/2006	6	9	9	7.5	09/06/2006					INV		Qpah	119145			
6628-22652	14/09/2006	6.9	10.1	10.1	9.1	14/09/2006					INV		Qpah	122421			
6628-22653	21/11/2006	11	11	11	9.25	21/11/2006					INV		Qpah	122420			
6628-22654	20/11/2006	7.5	11	11	9.1	20/11/2006					INV		Qpah	122419			
6628-22725	04/10/2006	5.7	7	7	3.7	04/10/2006					INV		Qpah	123310			
6628-22781	14/12/2006	15.2	19.5	19.5	10	14/12/2006	1.26	14/12/2006	786	14/12/2006			Qpah	123341			
6628-22784		14	17.8	17.8	6.2	18/01/2007	1.25	18/01/2007	717	18/01/2007			Qpah	125993			
6628-22807	05/02/2007	12	16	16	6.3	05/02/2007	0.5	05/02/2007	1496	05/02/2007			Qpah	125016			
6628-22808	25/01/2007	10.5	14	14	6.1	25/01/2007	1.5	25/01/2007	1182	25/01/2007			Qpah	126042			
6628-22897	31/05/2007	6	12	12	8.3	31/05/2007					INV		Qpah	130865			
6628-22898	31/05/2007	6	12	12	8.2	31/05/2007					INV		Qpah	130864			

Unit No	Date	Cased To (m)	Max Depth (m)	Latest Depth (m)	SWL (m)	SWL Date	Yield (L/sec)	Yield Date	TDS (mg/L)	TDS Date	Purpose	Status	Aquifer	Permit No	Obs No	SWL Status	Salinity Status
6628-22962	13/04/2007	22	30	28	8.9	13/04/2007	1.8	12/04/2007	826	13/04/2007			Qpah	129411			

500 records



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APPENDIX G
LABORATORY CERTIFICATES OF ANALYSIS AND COC
DOCUMENTATION



#1345169 LS 10/4

eurofins				CHAIN OF CUSTODY RECORD Eurofins Environment Testing ABN 50 005 065 521				Sydney Laboratory 179 Macquarie Road, Glenside NSW 2055 61 9888 1000 enquiries@sydney.eurofins.com				Brisbane Laboratory Unit 1 21 Smallwood Place, Murarie QLD 4172 61 7500 0000 enquiries@brisbane.eurofins.com				Perth Laboratory (AS/NZS 9111:2008) 45-48 Banksia Road, Wembley WA 6106 61 8322 0000 enquiries@perth.eurofins.com				Melbourne Laboratory 6 Moorrey Road, Dandenong South VIC 3175 61 388 1000 enquiries@melbourne.eurofins.com				Newcastle Laboratory 1/2 Frost Drive, Mayfield West NSW 61 49080000 enquiries@newcastle.eurofins.com			
Company: Fyfe Earth Partners Pty Ltd SA				Project No: 82257-2				Project Manager: Natasha Vella				Sample(s): CAB															
Address: Level 1, 124 South Tce, Adelaide, South Australia 5000				Project Name: Hygge Unley Road				EDD Format: 				Facility Code: 				Handled over by: CAB											
Contact Name: Natasha Vella				Analyses B14 - OCP/OPP M8 - Metals M8 R7 - SA Waste Screen Asbestos Absence / Presence B1 - TRH, BTXN				Non-Coded Tests B7 - TRH/BTEXN/PAH/Metals 8 PFAS - 28 Analyses MEPM HLL Screen R21 - MEPM EILs (Soil Class Screen) Hud				Email for Invoice: 				Email for Results: natasha.vella@fyfe.com.au											
Phone No: 0421 439 887												Containers: 				Required Turnaround Time (TAT): 5 DAYS (STANDARD)											
Special Directions: 												300mL Plastic				60mL Plastic - Unfilled											
Unique Identifier: F681a795b0f9												60mL Plastic - Metals - Filled / Filtered				200mL Amber Glass											
Purchase Order: 				40mL VOA vial				Jar (Glass or HDPE)				One per jar, fill, cap, label - please specify															
Quote ID No: 230622FYF8				Matrix: 				Sample Comments / Dangerous Goods / Hazard Warning: 				Other TAT Requirements: 															
1 BH04_0.1-0.2 8/04/26 Soil												X															
2 BH04_0.4-0.5 8/04/26 Soil								X																			
3 BH04_0.6-0.8 8/04/26 Soil												X															
4 BH04_1.1-1.2 8/04/26 Soil												X															
5 BH04_1.9-2.0 8/04/26 Soil								X				EIL Soil Bag as well as Jars															
6 BH04_2.9-3.0 8/04/26 Soil								X																			
7 BH04_3.9-4.0 8/04/26 Soil				X																							
8 BH04_4.9-5.0 8/04/26 Soil								X																			
9 BH04_5.9-6.0 8/04/26 Soil								X																			
10 BH05_0.1-0.2 8/04/26 Soil								X X				EIL Soil Bag as well as Jars															
11 BH05_0.4-0.5 8/04/26 Soil				X								Asbestos Bag as well as Jars															
12 BH05_0.9-1.0 8/04/26 Soil				X																							
13 BH05_1.4-1.5 8/04/26 Soil												X															
14 BH05_1.9-2.0 8/04/26 Soil												X															
15 BH05_2.9-3.0 8/04/26 Soil												X															
16 BH05_3.9-4.0 8/04/26 Soil												X															
17 BH05_4.9-5.0 8/04/26 Soil												X															
18 BH05_5.9-6.0 8/04/26 Soil												X															
19 BH06_0.1-0.2 8/04/26 Soil				X				X X				X															
20 BH06_0.4-0.5 8/04/26 Soil												X															
21 BH06_0.9-1.0 8/04/26 Soil												X															



Environment Testing

PROJECT INFORMATION

Date & Time Received: 9/4/26 0820

Company: Fyfe

Contact Details: Chloe Byrne 0487 480 797

Project Name/site: Hygge Unley Rd

Project Number: 82257-2

Sample IDs: _____

Sampling Date/s: 8/4/26

COC:

Attached ☐

E-mailed ☐

Not received ☒

will email later today

Courier ☐

Temperature:

Attempt to chill: Y / N *on ice*

Custody Seal: _____

Number of Eskies: 3

Last modified on: 30 January 2025	Approved on: 30 January 2025	Version: QS1039_R3
Last modified by: N. Richardson	Approved by: M. Makarios	Page 1 of 1
Editorial Committee: N. Richardson, V. Heredia, T. Lakeland, M. Makarios, F. Sanjaya		Next required review date: 30 January 2029

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Melbourne	Geelong	Sydney	Newcastle	Canberra	Brisbane	Hobart	Perth
6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	1/21 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	282A Argyle Street North Hobart TAS 7000 +61 3 8564 5000 NATA# 1261 Site# 1254	46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554

Sample Receipt Advice

Company name: Fyfe Earth Partners Pty Ltd SA
Contact name: Natasha Vella
Project name: Hygge Unley Road
Project ID: 82257-2
Turnaround time: 5 Day
Date/Time received: Apr 10, 2026 10:50 PM
Eurofins reference: 1345169

Sample Information

- ✓ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ✓ All samples have been received as described on the above COC.
- ✓ COC has been completed correctly.
- ✓ Attempt to chill was evident.
- ✓ Appropriately preserved sample containers have been used.
- ✓ All samples were received in good condition.
- ✓ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ✓ Appropriate sample containers have been used.
- ✓ Sample containers for volatile analysis received with zero headspace.
- ✗ Split sample sent to requested external lab.
- ✗ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Notes

Sample BH06_0.4-0.5 not received.
 Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Natasha Vella - Natasha.Vella@fyfe.com.au.

Note: A copy of these results will also be delivered to the general Fyfe Earth Partners Pty Ltd SA email address.



web: www.eurofins.com.au

email: EnviroSales@eurofinsanz.com

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
+61 3 8564 5000
NATA# 1261
Site# 1254

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19/8 Lewalan Street
Grovedale
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NATA# 1261
Site# 25403

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Girraween
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NATA# 1261
Site# 18217

Newcastle
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Mayfield West
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+61 2 4968 8448
NATA# 1261
Site# 25079

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Mitchell
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NATA# 1261
Site# 25466

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Site# 20794 & 2780

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NATA# 1261
Site# 1254

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NATA# 2377
Site# 2370 & 2554

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1345169
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 10, 2026 10:50 PM
Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																	
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID												
1	BH04_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025795						X				X		
2	BH04_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025796						X		X				
3	BH04_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025797				X		X						
4	BH05_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025798						X	X	X				
5	BH05_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025799	X											
6	BH05_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025800				X		X						
7	BH06_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025801					X	X				X		X
8	BH06_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025802				X		X						
9	BH08_0.0-0.1	Apr 08, 2026		Soil	M26-Ap0025803	X											
10	BH08_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025804					X	X				X		
11	BH08_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025805				X		X						
12	BH09_0.15-0.25	Apr 08, 2026		Soil	M26-Ap0025806						X			X			
13	BH09_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025807						X				X		X



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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
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Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
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Phone: 08 8201 9600
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Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
48	QC4	Apr 08, 2026		Soil	M26-Ap0025842			X									
Test Counts						2	1	29	6	3	14	2	2	1	5	1	3

Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025 – Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Natasha Vella**

Report **1345169-S**
Project name **Hygge Unley Road**
Project ID **82257-2**
Received Date **Apr 10, 2026**

Client Sample ID			BH04_0.4-0.5	BH04_1.9-2.0	BH04_3.9-4.0	BH05_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0025795	M26- Ap0025796	M26- Ap0025797	M26- Ap0025798
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	-	-	< 20
TRH C10-C14	20	mg/kg	< 20	-	-	< 20
TRH C15-C28	50	mg/kg	100	-	-	< 50
TRH C29-C36	50	mg/kg	110	-	-	< 50
TRH C10-C36 (Total)	50	mg/kg	210	-	-	< 50
TRH C6-C10	20	mg/kg	< 20	-	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	-	-	< 20
TRH >C10-C16	50	mg/kg	< 50	-	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50	-	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	-	-	< 0.5
TRH >C16-C34	100	mg/kg	160	-	-	< 100
TRH >C34-C40	100	mg/kg	< 100	-	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	160	-	-	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	-	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	-	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	-	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	-	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	-	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	-	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	102	-	-	110
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	5.9	-	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	5.9	-	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	5.9	-	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	-	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	-	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	-	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	4.0	-	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	3.7	-	-	< 0.5
Benzo(b,j)fluoranthene ^{N07}	0.5	mg/kg	3.2	-	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	2.9	-	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	3.7	-	-	< 0.5
Chrysene	0.5	mg/kg	4.8	-	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	0.8	-	-	< 0.5

Client Sample ID			BH04_0.4-0.5	BH04_1.9-2.0	BH04_3.9-4.0	BH05_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025795	M26-Ap0025796	M26-Ap0025797	M26-Ap0025798
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluoranthene	0.5	mg/kg	7.7	-	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	-	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	2.2	-	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	-	-	< 0.5
Phenanthrene	0.5	mg/kg	2.4	-	-	< 0.5
Pyrene	0.5	mg/kg	7.6	-	-	< 0.5
Total PAH*	0.5	mg/kg	43	-	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	53	-	-	58
p-Terphenyl-d14 (surr.)	1	%	77	-	-	73
Heavy Metals						
Arsenic	2	mg/kg	17	-	4.1	< 2
Beryllium	2	mg/kg	-	-	-	< 2
Boron	10	mg/kg	-	-	-	< 20
Cadmium	0.4	mg/kg	< 0.4	-	< 0.4	< 0.4
Chromium	5	mg/kg	12	-	49	< 5
Cobalt	5	mg/kg	-	-	-	< 5
Copper	5	mg/kg	30	-	13	< 5
Iron	20	mg/kg	-	33000	-	5000
Lead	5	mg/kg	49	-	18	5.4
Manganese	5	mg/kg	-	-	-	35
Mercury	0.1	mg/kg	< 0.1	-	< 0.1	< 0.1
Nickel	5	mg/kg	6.5	-	22	< 5
Selenium	2	mg/kg	-	-	-	< 2
Zinc	5	mg/kg	130	-	44	19
Sample Properties						
% Moisture	1	%	6.8	18	13	6.4
% Clay	2.5	%	-	13	-	3.8
Conductivity (1:5 aqueous extract at 25 °C as rec.)	10	uS/cm	-	300	-	40
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	0.1	pH Units	-	7.8	-	8.3
Total Organic Carbon	0.1	%	-	2.3	-	< 0.1
Chromium (hexavalent)	1	mg/kg	-	-	-	< 1
Cyanide (free)	5	mg/kg	-	-	-	< 5
Heavy Metals						
Iron (%)	0.01	%	-	3.3	-	0.50
Cation Exchange Capacity						
Cation Exchange Capacity	0.5	meq/100g	-	47	-	12
Organochlorine Pesticides						
Bifenthrin*	0.05	mg/kg	-	-	-	< 0.05
Organophosphorus Pesticides						
Chlorpyrifos	0.2	mg/kg	-	-	-	< 0.2
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1221	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1232	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1242	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1248	0.1	mg/kg	-	-	-	< 0.1
Aroclor-1254	0.1	mg/kg	-	-	-	< 0.1

Client Sample ID			BH04_0.4-0.5	BH04_1.9-2.0	BH04_3.9-4.0	BH05_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025795	M26-Ap0025796	M26-Ap0025797	M26-Ap0025798
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1260	0.1	mg/kg	-	-	-	< 0.1
Total PCB*	0.1	mg/kg	-	-	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	-	-	75
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	93
Triazines						
Atrazine	0.2	mg/kg	-	-	-	< 0.2
NEPM 2013 Acid Herbicides						
Picloram	0.5	mg/kg	-	-	-	< 0.5
2,4-D	0.5	mg/kg	-	-	-	< 0.5
2,4,5-T	0.5	mg/kg	-	-	-	< 0.5
MCPA	0.5	mg/kg	-	-	-	< 0.5
MCPB	0.5	mg/kg	-	-	-	< 0.5
Mecoprop	0.5	mg/kg	-	-	-	< 0.5
Warfarin (surr.)	1	%	-	-	-	77
NEPM 2013 Organochlorine Pesticides						
Endosulfan sulphate	0.05	mg/kg	-	-	-	< 0.05
Mirex	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDD	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDE	0.05	mg/kg	-	-	-	< 0.05
4,4'-DDT	0.05	mg/kg	-	-	-	< 0.05
Aldrin	0.05	mg/kg	-	-	-	< 0.05
Chlordanes - Total	0.1	mg/kg	-	-	-	< 0.1
Dieldrin	0.05	mg/kg	-	-	-	< 0.05
Endosulfan I	0.05	mg/kg	-	-	-	< 0.05
Endosulfan II	0.05	mg/kg	-	-	-	< 0.05
Endrin	0.05	mg/kg	-	-	-	< 0.05
Heptachlor	0.05	mg/kg	-	-	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	-	-	< 0.05
Methoxychlor	0.05	mg/kg	-	-	-	< 0.05
Toxaphene	0.5	mg/kg	-	-	-	< 0.5
Dibutylchlorendate (surr.)	1	%	-	-	-	75
Tetrachloro-m-xylene (surr.)	1	%	-	-	-	93
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	-	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	-	-	< 0.05
NEPM 2013 Phenols						
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	-	-	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	-	-	< 0.4
Pentachlorophenol	1	mg/kg	-	-	-	< 1
Phenol	0.5	mg/kg	-	-	-	< 0.5
Phenol-d6 (surr.)	1	%	-	-	-	140

Client Sample ID			BH05_0.9-1.0	BH06_0.1-0.2	BH06_4.9-5.0	BH08_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025800	M26-Ap0025801	M26-Ap0025802	M26-Ap0025804
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	-	< 20
TRH C10-C14	20	mg/kg	-	< 20	-	< 20
TRH C15-C28	50	mg/kg	-	< 50	-	< 50
TRH C29-C36	50	mg/kg	-	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	-	< 50	-	< 50
TRH C6-C10	20	mg/kg	-	< 20	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	< 20	-	< 20
TRH >C10-C16	50	mg/kg	-	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	< 50	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	-	< 0.5	-	< 0.5
TRH >C16-C34	100	mg/kg	-	< 100	-	< 100
TRH >C34-C40	100	mg/kg	-	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	-	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	-	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	-	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	-	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	-	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	-	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	-	59	-	106
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	1.2	-	1.2
Acenaphthene	0.5	mg/kg	-	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	-	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	-	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	-	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	-	< 0.5	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	-	< 0.5	-	< 0.5
Fluoranthene	0.5	mg/kg	-	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	-	< 0.5	-	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	-	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	-	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	-	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	-	54	-	63
p-Terphenyl-d14 (surr.)	1	%	-	67	-	81
Heavy Metals						
Arsenic	2	mg/kg	4.4	2.6	3.8	5.1
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	57	5.5	40	44
Copper	5	mg/kg	14	7.4	15	17

Client Sample ID			BH05_0.9-1.0	BH06_0.1-0.2	BH06_4.9-5.0	BH08_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025800	M26-Ap0025801	M26-Ap0025802	M26-Ap0025804
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Heavy Metals						
Lead	5	mg/kg	32	22	18	110
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	27	< 5	19	19
Zinc	5	mg/kg	48	27	50	87
Sample Properties						
% Moisture	1	%	20	8.4	17	15
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	< 0.1
4,4'-DDD	0.05	mg/kg	-	< 0.05	-	< 0.05
4,4'-DDE	0.05	mg/kg	-	< 0.05	-	< 0.05
4,4'-DDT	0.05	mg/kg	-	< 0.05	-	< 0.05
a-HCH	0.05	mg/kg	-	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
b-HCH	0.05	mg/kg	-	< 0.05	-	< 0.05
d-HCH	0.05	mg/kg	-	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	-	< 0.05	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05	-	< 0.05
Toxaphene	0.5	mg/kg	-	< 0.5	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	< 0.1
Dibutylchloroendate (surr.)	1	%	-	95	-	75
Tetrachloro-m-xylene (surr.)	1	%	-	100	-	94
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	-	< 0.2	-	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2	-	< 0.2
Coumaphos	2	mg/kg	-	< 2	-	< 2
Demeton-S	0.2	mg/kg	-	< 0.2	-	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2	-	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2	-	< 0.2
Dichlorvos	0.2	mg/kg	-	< 0.2	-	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2	-	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2	-	< 0.2
EPN	0.2	mg/kg	-	< 0.2	-	< 0.2
Ethion	0.2	mg/kg	-	< 0.2	-	< 0.2

Client Sample ID			BH05_0.9-1.0	BH06_0.1-0.2	BH06_4.9-5.0	BH08_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025800	M26-Ap0025801	M26-Ap0025802	M26-Ap0025804
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Ethoprop	0.2	mg/kg	-	< 0.2	-	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2	-	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2	-	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2	-	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2	-	< 0.2
Malathion	0.2	mg/kg	-	< 0.2	-	< 0.2
Merphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2	-	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Monocrotophos	2	mg/kg	-	< 2	-	< 2
Naled	0.2	mg/kg	-	< 0.2	-	< 0.2
Omethoate	2	mg/kg	-	< 2	-	< 2
Phorate	0.2	mg/kg	-	< 0.2	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2	-	< 0.2
Pyrazophos	0.2	mg/kg	-	< 0.2	-	< 0.2
Ronnel	0.2	mg/kg	-	< 0.2	-	< 0.2
Terbufos	0.2	mg/kg	-	< 0.2	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2	-	< 0.2
Tokuthion	0.2	mg/kg	-	< 0.2	-	< 0.2
Trichloronate	0.2	mg/kg	-	< 0.2	-	< 0.2
Triphenylphosphate (surr.)	1	%	-	95	-	96
PFASs Summations						
Sum (PFHxS + PFOS)*	0.1	ug/kg	-	0.3	-	-
Sum of PFASs (n=30)*	0.5	ug/kg	-	< 0.5	-	-
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	-	< 0.5	-	-
Perfluoroalkyl sulfonamido substances- Trace						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
13C8-FOSA (surr.)	1	%	-	82	-	-
D3-N-MeFOSA (surr.)	1	%	-	76	-	-
D5-N-EtFOSA (surr.)	1	%	-	85	-	-
D7-N-MeFOSE (surr.)	1	%	-	65	-	-
D9-N-EtFOSE (surr.)	1	%	-	72	-	-
D5-N-EtFOSAA (surr.)	1	%	-	39	-	-
D3-N-MeFOSAA (surr.)	1	%	-	10	-	-
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
Perfluorobutanoic acid (PFBA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
Perfluoropentanoic acid (PFPeA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorohexanoic acid (PFHxA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-

Client Sample ID			BH05_0.9-1.0	BH06_0.1-0.2	BH06_4.9-5.0	BH08_0.4-0.5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0025800	M26- Ap0025801	M26- Ap0025802	M26- Ap0025804
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
Perfluorooctanoic acid (PFOA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorononanoic acid (PFNA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorodecanoic acid (PFDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorotridecanoic acid (PFTeDA) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
13C4-PFBA (surr.)	1	%	-	65	-	-
13C5-PFPeA (surr.)	1	%	-	79	-	-
13C5-PFHxA (surr.)	1	%	-	87	-	-
13C4-PFHpA (surr.)	1	%	-	93	-	-
13C8-PFOA (surr.)	1	%	-	98	-	-
13C5-PFNA (surr.)	1	%	-	103	-	-
13C6-PFDA (surr.)	1	%	-	78	-	-
13C2-PFUnDA (surr.)	1	%	-	48	-	-
13C2-PFDoDA (surr.)	1	%	-	42	-	-
13C2-PFTeDA (surr.)	1	%	-	36	-	-
Perfluoroalkyl sulfonic acids (PFSA)s- Trace						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.1	ug/kg	-	^{N09} 0.3	-	-
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
13C3-PFBS (surr.)	1	%	-	96	-	-
18O2-PFHxS (surr.)	1	%	-	100	-	-
13C8-PFOS (surr.)	1	%	-	83	-	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
13C2-4:2 FTSA (surr.)	1	%	-	111	-	-
13C2-6:2 FTSA (surr.)	1	%	-	88	-	-
13C2-8:2 FTSA (surr.)	1	%	-	93	-	-
13C2-10:2 FTSA (surr.)	1	%	-	75	-	-

Client Sample ID			BH08_1.9-2.0	BH09_0.15-0.25	BH09_0.9-1.0	BH10_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025805	M26-Ap0025806	M26-Ap0025807	M26-Ap0025808
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	-	< 20	< 20	-
TRH C10-C14	20	mg/kg	-	< 20	< 20	-
TRH C15-C28	50	mg/kg	-	63	< 50	-
TRH C29-C36	50	mg/kg	-	< 50	< 50	-
TRH C10-C36 (Total)	50	mg/kg	-	63	< 50	-
TRH C6-C10	20	mg/kg	-	< 20	< 20	-
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	-	< 20	< 20	-
TRH >C10-C16	50	mg/kg	-	< 50	< 50	-
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	-	< 50	< 50	-
Naphthalene ^{N02}	0.5	mg/kg	-	< 0.5	< 0.5	-
TRH >C16-C34	100	mg/kg	-	120	< 100	-
TRH >C34-C40	100	mg/kg	-	< 100	< 100	-
TRH >C10-C40 (total)*	100	mg/kg	-	120	< 100	-
BTEX						
Benzene	0.1	mg/kg	-	< 0.1	< 0.1	-
Toluene	0.1	mg/kg	-	< 0.1	< 0.1	-
Ethylbenzene	0.1	mg/kg	-	< 0.1	< 0.1	-
m&p-Xylenes	0.2	mg/kg	-	< 0.2	< 0.2	-
o-Xylene	0.1	mg/kg	-	< 0.1	< 0.1	-
Xylenes - Total*	0.3	mg/kg	-	< 0.3	< 0.3	-
4-Bromofluorobenzene (surr.)	1	%	-	82	112	-
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	-	1.9	< 0.5	-
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	-	2.2	0.6	-
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	-	2.4	1.2	-
Acenaphthene	0.5	mg/kg	-	< 0.5	< 0.5	-
Acenaphthylene	0.5	mg/kg	-	< 0.5	< 0.5	-
Anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Benz(a)anthracene	0.5	mg/kg	-	1.3	< 0.5	-
Benzo(a)pyrene	0.5	mg/kg	-	1.4	< 0.5	-
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	-	1.4	< 0.5	-
Benzo(g,h,i)perylene	0.5	mg/kg	-	1.0	< 0.5	-
Benzo(k)fluoranthene	0.5	mg/kg	-	1.5	< 0.5	-
Chrysene	0.5	mg/kg	-	1.2	< 0.5	-
Dibenz(a,h)anthracene	0.5	mg/kg	-	< 0.5	< 0.5	-
Fluoranthene	0.5	mg/kg	-	1.8	< 0.5	-
Fluorene	0.5	mg/kg	-	< 0.5	< 0.5	-
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	-	1.0	< 0.5	-
Naphthalene	0.5	mg/kg	-	< 0.5	< 0.5	-
Phenanthrene	0.5	mg/kg	-	< 0.5	< 0.5	-
Pyrene	0.5	mg/kg	-	2.1	< 0.5	-
Total PAH*	0.5	mg/kg	-	13	< 0.5	-
2-Fluorobiphenyl (surr.)	1	%	-	116	68	-
p-Terphenyl-d14 (surr.)	1	%	-	56	79	-

Client Sample ID			BH08_1.9-2.0	BH09_0.15-0.25	BH09_0.9-1.0	BH10_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025805	M26-Ap0025806	M26-Ap0025807	M26-Ap0025808
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Heavy Metals						
Arsenic	2	mg/kg	4.2	4.7	3.2	5.8
Barium	10	mg/kg	-	110	-	-
Beryllium	2	mg/kg	-	< 2	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	55	16	45	14
Cobalt	5	mg/kg	-	5.1	-	-
Copper	5	mg/kg	14	29	12	13
Iron	20	mg/kg	-	13000	-	-
Lead	5	mg/kg	29	94	31	81
Manganese	5	mg/kg	-	180	-	-
Mercury	0.1	mg/kg	< 0.1	0.1	< 0.1	0.2
Nickel	5	mg/kg	27	7.6	21	6.7
Silver	2	mg/kg	-	< 2	-	-
Zinc	5	mg/kg	45	180	23	92
Sample Properties						
% Moisture	1	%	13	8.8	17	12
Chromium (hexavalent)	1	mg/kg	-	< 1	-	-
Chromium (trivalent)	5	mg/kg	-	16	-	-
Cyanide (total)	5	mg/kg	-	< 5	-	-
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	-	< 0.1	-	-
4,4'-DDD	0.05	mg/kg	-	< 0.05	-	-
4,4'-DDE	0.05	mg/kg	-	< 0.05	-	-
4,4'-DDT	0.05	mg/kg	-	< 0.05	-	-
a-HCH	0.05	mg/kg	-	< 0.05	-	-
Aldrin	0.05	mg/kg	-	1.5	-	-
b-HCH	0.05	mg/kg	-	< 0.05	-	-
d-HCH	0.05	mg/kg	-	< 0.05	-	-
Dieldrin	0.05	mg/kg	-	2.4	-	-
Endosulfan I	0.05	mg/kg	-	< 0.05	-	-
Endosulfan II	0.05	mg/kg	-	< 0.05	-	-
Endosulfan sulphate	0.05	mg/kg	-	< 0.05	-	-
Endrin	0.05	mg/kg	-	< 0.05	-	-
Endrin aldehyde	0.05	mg/kg	-	< 0.05	-	-
Endrin ketone	0.05	mg/kg	-	0.05	-	-
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05	-	-
Heptachlor	0.05	mg/kg	-	< 0.05	-	-
Heptachlor epoxide	0.05	mg/kg	-	< 0.05	-	-
Hexachlorobenzene	0.05	mg/kg	-	< 0.05	-	-
Methoxychlor	0.05	mg/kg	-	< 0.05	-	-
Toxaphene	0.5	mg/kg	-	< 0.5	-	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	3.9	-	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05	-	-
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	3.9	-	-
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchloroendate (surr.)	1	%	-	123	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	133	-	-

Client Sample ID			BH08_1.9-2.0	BH09_0.15-0.25	BH09_0.9-1.0	BH10_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025805	M26-Ap0025806	M26-Ap0025807	M26-Ap0025808
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchloroendate (surr.)	1	%	-	123	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	133	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.1	ug/kg	-	-	< 0.1	-
Sum of PFASs (n=30)*	0.5	ug/kg	-	-	< 0.5	-
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	-	-	< 0.5	-
Perfluoroalkyl sulfonamido substances- Trace						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
13C8-FOSA (surr.)	1	%	-	-	97	-
D3-N-MeFOSA (surr.)	1	%	-	-	102	-
D5-N-EtFOSA (surr.)	1	%	-	-	112	-
D7-N-MeFOSE (surr.)	1	%	-	-	84	-
D9-N-EtFOSE (surr.)	1	%	-	-	102	-
D5-N-EtFOSAA (surr.)	1	%	-	-	11	-
D3-N-MeFOSAA (surr.)	1	%	-	-	30	-
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
Perfluorobutanoic acid (PFBA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
Perfluoropentanoic acid (PFPeA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorohexanoic acid (PFHxA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorooctanoic acid (PFOA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorononanoic acid (PFNA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorodecanoic acid (PFDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorotridecanoic acid (PFTTrDA) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
13C4-PFBA (surr.)	1	%	-	-	32	-
13C5-PFPeA (surr.)	1	%	-	-	73	-
13C5-PFHxA (surr.)	1	%	-	-	91	-
13C4-PFHpA (surr.)	1	%	-	-	98	-

Client Sample ID			BH08_1.9-2.0	BH09_0.15-0.25	BH09_0.9-1.0	BH10_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025805	M26-Ap0025806	M26-Ap0025807	M26-Ap0025808
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
13C8-PFOA (surr.)	1	%	-	-	117	-
13C5-PFNA (surr.)	1	%	-	-	103	-
13C6-PFDA (surr.)	1	%	-	-	86	-
13C2-PFUnDA (surr.)	1	%	-	-	56	-
13C2-PFDoDA (surr.)	1	%	-	-	50	-
13C2-PFTEdA (surr.)	1	%	-	-	53	-
Perfluoroalkyl sulfonic acids (PFSA)s- Trace						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.1	ug/kg	-	-	< 0.1	-
13C3-PFBS (surr.)	1	%	-	-	119	-
18O2-PFHxS (surr.)	1	%	-	-	128	-
13C8-PFOS (surr.)	1	%	-	-	118	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace						
1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
1H,1H,2H,2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.5	ug/kg	-	-	< 0.5	-
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.1	ug/kg	-	-	< 0.1	-
13C2-4:2 FTSA (surr.)	1	%	-	-	125	-
13C2-6:2 FTSA (surr.)	1	%	-	-	112	-
13C2-8:2 FTSA (surr.)	1	%	-	-	108	-
13C2-10:2 FTSA (surr.)	1	%	-	-	76	-
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4,5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,4,6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1.0	mg/kg	-	< 1	-	-
2,4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dinitrophenol	5	mg/kg	-	< 5	-	-

Client Sample ID			BH08_1.9-2.0	BH09_0.15-0.25	BH09_0.9-1.0	BH10_0.1-0.2
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26-Ap0025805	M26-Ap0025806	M26-Ap0025807	M26-Ap0025808
Date Sampled			Apr 08, 2026	Apr 08, 2026	Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	114	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-

Client Sample ID			BH10_1.4-1.5	QC2
Sample Matrix			Soil	Soil
Eurofins Sample No.			M26-Ap0025809	M26-Ap0025810
Date Sampled			Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons				
TRH C6-C9	20	mg/kg	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50	< 50
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5
TRH >C16-C34	100	mg/kg	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100
BTEX				
Benzene	0.1	mg/kg	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	92	98
Polycyclic Aromatic Hydrocarbons				
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	1.1
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	1.3
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.6
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	0.8
Benzo(a)pyrene	0.5	mg/kg	< 0.5	0.7
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	1.1

Client Sample ID			BH10_1.4-1.5	QC2
Sample Matrix			Soil	Soil
Eurofins Sample No.			M26-Ap0025809	M26-Ap0025810
Date Sampled			Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit		
Polycyclic Aromatic Hydrocarbons				
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	0.6
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	1.1
Chrysene	0.5	mg/kg	< 0.5	0.9
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	0.9
Fluorene	0.5	mg/kg	< 0.5	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5	0.6
Naphthalene	0.5	mg/kg	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	1.1
Total PAH*	0.5	mg/kg	< 0.5	7.8
2-Fluorobiphenyl (surr.)	1	%	68	64
p-Terphenyl-d14 (surr.)	1	%	89	124
Heavy Metals				
Arsenic	2	mg/kg	4.0	2.9
Beryllium	2	mg/kg	< 2	-
Boron	10	mg/kg	15	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4
Chromium	5	mg/kg	47	8.8
Cobalt	5	mg/kg	12	-
Copper	5	mg/kg	13	5.8
Lead	5	mg/kg	23	15
Manganese	5	mg/kg	240	-
Mercury	0.1	mg/kg	< 0.1	< 0.1
Nickel	5	mg/kg	24	< 5
Selenium	2	mg/kg	< 2	-
Zinc	5	mg/kg	38	29
Sample Properties				
% Moisture	1	%	19	7.6
Chromium (hexavalent)	1	mg/kg	< 1	-
Cyanide (free)	5	mg/kg	< 5	-
Organochlorine Pesticides				
Bifenthrin*	0.05	mg/kg	< 0.05	-
Chlordanes - Total	0.1	mg/kg	-	< 0.1
4,4'-DDD	0.05	mg/kg	-	< 0.05
4,4'-DDE	0.05	mg/kg	-	< 0.05
4,4'-DDT	0.05	mg/kg	-	< 0.05
a-HCH	0.05	mg/kg	-	< 0.05
Aldrin	0.05	mg/kg	-	< 0.05
b-HCH	0.05	mg/kg	-	< 0.05
d-HCH	0.05	mg/kg	-	< 0.05
Dieldrin	0.05	mg/kg	-	< 0.05
Endosulfan I	0.05	mg/kg	-	< 0.05
Endosulfan II	0.05	mg/kg	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	-	< 0.05
Endrin	0.05	mg/kg	-	< 0.05
Endrin aldehyde	0.05	mg/kg	-	< 0.05

Client Sample ID			BH10_1.4-1.5	QC2
Sample Matrix			Soil	Soil
Eurofins Sample No.			M26- Ap0025809	M26- Ap0025810
Date Sampled			Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit		
Organochlorine Pesticides				
Endrin ketone	0.05	mg/kg	-	< 0.05
g-HCH (Lindane)	0.05	mg/kg	-	< 0.05
Heptachlor	0.05	mg/kg	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	-	< 0.05
Methoxychlor	0.05	mg/kg	-	< 0.05
Toxaphene	0.5	mg/kg	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	-	< 0.1
Dibutylchlorendate (surr.)	1	%	-	73
Tetrachloro-m-xylene (surr.)	1	%	-	96
Organophosphorus Pesticides				
Chlorpyrifos	0.2	mg/kg	< 0.2	-
Azinphos-methyl	0.2	mg/kg	-	< 0.2
Bolstar	0.2	mg/kg	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	-	< 0.2
Chlorpyrifos	0.2	mg/kg	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	-	< 0.2
Coumaphos	2	mg/kg	-	< 2
Demeton-S	0.2	mg/kg	-	< 0.2
Demeton-O	0.2	mg/kg	-	< 0.2
Diazinon	0.2	mg/kg	-	< 0.2
Dichlorvos	0.2	mg/kg	-	< 0.2
Dimethoate	0.2	mg/kg	-	< 0.2
Disulfoton	0.2	mg/kg	-	< 0.2
EPN	0.2	mg/kg	-	< 0.2
Ethion	0.2	mg/kg	-	< 0.2
Ethoprop	0.2	mg/kg	-	< 0.2
Ethyl parathion	0.2	mg/kg	-	< 0.2
Fenitrothion	0.2	mg/kg	-	< 0.2
Fensulfothion	0.2	mg/kg	-	< 0.2
Fenthion	0.2	mg/kg	-	< 0.2
Malathion	0.2	mg/kg	-	< 0.2
Merphos	0.2	mg/kg	-	< 0.2
Methyl parathion	0.2	mg/kg	-	< 0.2
Mevinphos	0.2	mg/kg	-	< 0.2
Monocrotophos	2	mg/kg	-	< 2
Naled	0.2	mg/kg	-	< 0.2
Omethoate	2	mg/kg	-	< 2
Phorate	0.2	mg/kg	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	-	< 0.2
Pyrazophos	0.2	mg/kg	-	< 0.2
Ronnel	0.2	mg/kg	-	< 0.2
Terbufos	0.2	mg/kg	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	-	< 0.2
Tokuthion	0.2	mg/kg	-	< 0.2
Trichloronate	0.2	mg/kg	-	< 0.2
Triphenylphosphate (surr.)	1	%	-	98

Client Sample ID			BH10_1.4-1.5	QC2
Sample Matrix			Soil	Soil
Eurofins Sample No.			M26-Ap0025809	M26-Ap0025810
Date Sampled			Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit		
Polychlorinated Biphenyls				
Aroclor-1016	0.1	mg/kg	< 0.1	-
Aroclor-1221	0.1	mg/kg	< 0.1	-
Aroclor-1232	0.1	mg/kg	< 0.1	-
Aroclor-1242	0.1	mg/kg	< 0.1	-
Aroclor-1248	0.1	mg/kg	< 0.1	-
Aroclor-1254	0.1	mg/kg	< 0.1	-
Aroclor-1260	0.1	mg/kg	< 0.1	-
Total PCB*	0.1	mg/kg	< 0.1	-
Dibutylchloredate (surr.)	1	%	89	-
Tetrachloro-m-xylene (surr.)	1	%	101	-
Triazines				
Atrazine	0.2	mg/kg	< 0.2	-
NEPM 2013 Acid Herbicides				
Picloram	0.5	mg/kg	< 0.5	-
2,4-D	0.5	mg/kg	< 0.5	-
2,4,5-T	0.5	mg/kg	< 0.5	-
MCPA	0.5	mg/kg	< 0.5	-
MCPB	0.5	mg/kg	< 0.5	-
Mecoprop	0.5	mg/kg	< 0.5	-
Warfarin (surr.)	1	%	75	-
NEPM 2013 Organochlorine Pesticides				
Endosulfan sulphate	0.05	mg/kg	< 0.05	-
Mirex	0.05	mg/kg	< 0.05	-
4,4'-DDD	0.05	mg/kg	< 0.05	-
4,4'-DDE	0.05	mg/kg	< 0.05	-
4,4'-DDT	0.05	mg/kg	< 0.05	-
Aldrin	0.05	mg/kg	< 0.05	-
Chlordanes - Total	0.1	mg/kg	< 0.1	-
Dieldrin	0.05	mg/kg	< 0.05	-
Endosulfan I	0.05	mg/kg	< 0.05	-
Endosulfan II	0.05	mg/kg	< 0.05	-
Endrin	0.05	mg/kg	< 0.05	-
Heptachlor	0.05	mg/kg	< 0.05	-
Hexachlorobenzene	0.05	mg/kg	< 0.05	-
Methoxychlor	0.05	mg/kg	< 0.05	-
Toxaphene	0.5	mg/kg	< 0.5	-
Dibutylchloredate (surr.)	1	%	89	-
Tetrachloro-m-xylene (surr.)	1	%	101	-
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	-
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	-
NEPM 2013 Phenols				
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4	-
Pentachlorophenol	1	mg/kg	< 1	-
Phenol	0.5	mg/kg	< 0.5	-
Phenol-d6 (surr.)	1	%	62	-

Client Sample ID			BH10_1.4-1.5	QC2
Sample Matrix			Soil	Soil
Eurofins Sample No.			M26- Ap0025809	M26- Ap0025810
Date Sampled			Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit		
PFASs Summations				
Sum (PFHxS + PFOS)*	0.1	ug/kg	-	0.1
Sum of PFASs (n=30)*	0.5	ug/kg	-	< 0.5
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	-	< 0.5
Perfluoroalkyl sulfonamido substances- Trace				
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.5	ug/kg	-	< 0.5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.5	ug/kg	-	< 0.5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.5	ug/kg	-	< 0.5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.5	ug/kg	-	< 0.5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.5	ug/kg	-	< 0.5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.5	ug/kg	-	< 0.5
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.5	ug/kg	-	< 0.5
13C8-FOSA (surr.)	1	%	-	65
D3-N-MeFOSA (surr.)	1	%	-	65
D5-N-EtFOSA (surr.)	1	%	-	70
D7-N-MeFOSE (surr.)	1	%	-	47
D9-N-EtFOSE (surr.)	1	%	-	47
D5-N-EtFOSAA (surr.)	1	%	-	24
D3-N-MeFOSAA (surr.)	1	%	-	82
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				
Perfluorobutanoic acid (PFBA) ^{N11}	0.5	ug/kg	-	< 0.5
Perfluoropentanoic acid (PFPeA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluorohexanoic acid (PFHxA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluorooctanoic acid (PFOA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluorononanoic acid (PFNA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluorodecanoic acid (PFDA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluorotridecanoic acid (PFTrDA) ^{N15}	0.1	ug/kg	-	< 0.1
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.1	ug/kg	-	< 0.1
13C4-PFBA (surr.)	1	%	-	52
13C5-PFPeA (surr.)	1	%	-	61
13C5-PFHxA (surr.)	1	%	-	71
13C4-PFHpA (surr.)	1	%	-	69
13C8-PFOA (surr.)	1	%	-	80
13C5-PFNA (surr.)	1	%	-	81
13C6-PFDA (surr.)	1	%	-	68
13C2-PFUnDA (surr.)	1	%	-	45
13C2-PFDoDA (surr.)	1	%	-	39
13C2-PFTeDA (surr.)	1	%	-	34
Perfluoroalkyl sulfonic acids (PFSA)- Trace				
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.1	ug/kg	-	0.1
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.1	ug/kg	-	< 0.1
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.1	ug/kg	-	< 0.1
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.1	ug/kg	-	< 0.1

Client Sample ID			BH10_1.4-1.5	QC2
Sample Matrix			Soil	Soil
Eurofins Sample No.			M26- Ap0025809	M26- Ap0025810
Date Sampled			Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit		
Perfluoroalkyl sulfonic acids (PFSA)s- Trace				
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.1	ug/kg	-	< 0.1
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.1	ug/kg	-	< 0.1
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.1	ug/kg	-	^{N09} 0.1
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.1	ug/kg	-	< 0.1
13C3-PFBS (surr.)	1	%	-	79
18O2-PFHxS (surr.)	1	%	-	78
13C8-PFOS (surr.)	1	%	-	79
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace				
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.5	ug/kg	-	< 0.5
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1
13C2-4:2 FTSA (surr.)	1	%	-	82
13C2-6:2 FTSA (surr.)	1	%	-	61
13C2-8:2 FTSA (surr.)	1	%	-	79
13C2-10:2 FTSA (surr.)	1	%	-	64

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			
Eurofins Suite B7			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Polycyclic Aromatic Hydrocarbons	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Metals M8	Melbourne	Apr 11, 2026	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding Methyl Mercury/PBDE			
NEPM 2013 Metals : Metals M12	Melbourne	Apr 11, 2026	28 Days
- Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)			
Heavy Metals	Melbourne	Apr 11, 2026	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Cyanide (free)	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-INO-4020 Total Free WAD Cyanide by CFA			
Organochlorine Pesticides	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)			
Organophosphorus Pesticides	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)			
Triazines	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2210 Triazine Herbicides in Soil and Water by GC-MS/MS			
NEPM 2013 Acid Herbicides	Melbourne	Apr 11, 2026	14 Days
- Method: MGT 530			
NEPM 2013 Organochlorine Pesticides	Melbourne	Apr 11, 2026	14 Days
- Method: USEPA 8081 Organochlorine Pesticides			
NEPM 2013 Phenols	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
SA Waste Screen			
SA Waste Metals : Metals M14SA	Melbourne	Apr 11, 2026	28 Days
- Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)			
Chromium (hexavalent)	Melbourne	Apr 11, 2026	28 Days
- Method: LTM-INO-4230 Hexavalent Chromium by UV-Vis			
Cyanide (total)	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-INO-4020 Total Free WAD Cyanide by CFA			
Polychlorinated Biphenyls	Melbourne	Apr 11, 2026	28 Days
- Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8082)			
Volatile Organics	Melbourne	Apr 11, 2026	7 Days
- Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)			
Phenols (Halogenated)	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
Phenols (non-Halogenated)	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-ORG-2130 PAH and Phenols in Soil and Water			
NEPM Screen for Soil Classification			
% Clay	Melbourne	Apr 11, 2026	14 Days
- Method: LTM-GEN-7040 Percentage clay, silt and sand by Hydrometer			
Conductivity (1:5 aqueous extract at 25 °C as rec.)	Melbourne	Apr 11, 2026	7 Days

Description	Testing Site	Extracted	Holding Time
- Method: LTM-INO-4030 Conductivity			
pH (units)(1:5 soil:CaCl2 extract at 25 °C as rec.)	Melbourne	Apr 11, 2026	7 Days
- Method: LTM-GEN-7090 pH in soil by ISE			
Total Organic Carbon	Melbourne	Apr 13, 2026	28 Days
- Method: LTM-INO-4060 Total Organic Carbon in water and soil			
Cation Exchange Capacity	Melbourne	Apr 14, 2026	28 Days
- Method: LTM-MET-3060 - Cation Exchange Capacity (CEC) & Exchangeable Sodium Percentage (ESP)			
% Moisture	Melbourne	Apr 10, 2026	14 Days
- Method: LTM-GEN-7080 Moisture			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl sulfonamido substances- Trace	Melbourne	Apr 11, 2026	90 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			
Perfluoroalkyl carboxylic acids (PFCAs) - Trace	Melbourne	Apr 11, 2026	90 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			
Perfluoroalkyl sulfonic acids (PFSAs)- Trace	Melbourne	Apr 11, 2026	90 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace	Melbourne	Apr 11, 2026	90 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level			

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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1345169
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 10, 2026 10:50 PM
Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																	
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID												
1	BH04_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025795						X				X		
2	BH04_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025796						X		X				
3	BH04_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025797				X		X						
4	BH05_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025798						X	X	X				
5	BH05_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025799	X											
6	BH05_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025800				X		X						
7	BH06_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025801					X	X				X		X
8	BH06_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025802				X		X						
9	BH08_0.0-0.1	Apr 08, 2026		Soil	M26-Ap0025803	X											
10	BH08_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025804					X	X				X		
11	BH08_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025805				X		X						
12	BH09_0.15-0.25	Apr 08, 2026		Soil	M26-Ap0025806						X			X			
13	BH09_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025807						X				X		X

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
14	BH10_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025808				X		X						
15	BH10_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025809						X	X					
16	QC2	Apr 08, 2026		Soil	M26-Ap0025810					X	X				X		X
17	RN1	Apr 08, 2026		Water	M26-Ap0025811				X								
18	TB1	Apr 08, 2026		Water	M26-Ap0025812											X	
19	BH04_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025813			X									
20	BH04_0.6-0.8	Apr 08, 2026		Soil	M26-Ap0025814			X									
21	BH04_1.1-1.2	Apr 08, 2026		Soil	M26-Ap0025815			X									
22	BH04_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025816			X									
23	BH04_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025817			X									
24	BH04_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025818			X									
25	BH05_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025819			X									
26	BH05_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025820			X									
27	BH05_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025821			X									
28	BH05_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025822			X									
29	BH05_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025823			X									
30	BH05_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025824			X									

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
31	BH06_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025825		X										
32	BH06_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025826			X									
33	BH06_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025827			X									
34	BH06_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025828			X									
35	BH06_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025829			X									
36	BH06_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025830			X									
37	BH06_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025831			X									
38	BH08_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025832			X									
39	BH08_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025833			X									
40	BH09_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025834			X									
41	BH09_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025835			X									
42	BH09_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025836			X									
43	BH10_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025837			X									
44	BH10_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025838			X									
45	BH10_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025839			X									
46	QC1	Apr 08, 2026		Soil	M26-Ap0025840			X									
47	QC3	Apr 08, 2026		Soil	M26-Ap0025841			X									

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Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
48	QC4	Apr 08, 2026		Soil	M26-Ap0025842			X									
Test Counts						2	1	29	6	3	14	2	2	1	5	1	3

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
% Clay	%	< 2.5			2.5	Pass	
Conductivity (1:5 aqueous extract at 25 °C as rec.)	uS/cm	< 10			10	Pass	
Method Blank							
Cation Exchange Capacity							
Cation Exchange Capacity	meq/100g	< 0.5			0.5	Pass	
Method Blank							
Total Organic Carbon	%	< 0.1			0.1	Pass	
Method Blank							
Organochlorine Pesticides							
Bifenthrin*	mg/kg	< 0.05			0.05	Pass	
Method Blank							
Organophosphorus Pesticides							
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Triazines							
Atrazine	mg/kg	< 0.2			0.2	Pass	
Method Blank							
NEPM 2013 Acid Herbicides							
Picloram	mg/kg	< 0.5			0.5	Pass	
2,4-D	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2.4.5-T	mg/kg	< 0.5			0.5	Pass	
MCPA	mg/kg	< 0.5			0.5	Pass	
MCPB	mg/kg	< 0.5			0.5	Pass	
Mecoprop	mg/kg	< 0.5			0.5	Pass	
Method Blank							
NEPM 2013 Organochlorine Pesticides							
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Mirex	mg/kg	< 0.05			0.05	Pass	
4.4'-DDD	mg/kg	< 0.05			0.05	Pass	
4.4'-DDE	mg/kg	< 0.05			0.05	Pass	
4.4'-DDT	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
NEPM 2013 Phenols							
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Barium	mg/kg	< 10			10	Pass	
Beryllium	mg/kg	< 2			2	Pass	
Boron	mg/kg	< 10			10	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Cobalt	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Manganese	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Selenium	mg/kg	< 2			2	Pass	
Silver	mg/kg	< 2			2	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Barium	mg/kg	< 10			10	Pass	
Beryllium	mg/kg	< 2			2	Pass	
Boron	mg/kg	< 10			10	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Cobalt	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Iron	mg/kg	< 20			20	Pass	
Lead	mg/kg	< 5			5	Pass	
Manganese	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Selenium	mg/kg	< 2			2	Pass	
Silver	mg/kg	< 2			2	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Chromium (hexavalent)	mg/kg	< 1			1	Pass	
Cyanide (total)	mg/kg	< 5			5	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4,5-Trichlorophenol	mg/kg	< 1			1	Pass	
2,4,6-Trichlorophenol	mg/kg	< 1			1	Pass	
2,6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4,6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1.0	Pass	
2,4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2,4-Dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4,4'-DDD	mg/kg	< 0.05			0.05	Pass	
4,4'-DDE	mg/kg	< 0.05			0.05	Pass	
4,4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Volatile Organics							
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 0.5			0.5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 0.5			0.5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 0.5			0.5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 0.5			0.5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 0.5			0.5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 0.5			0.5	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 0.5			0.5	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	ug/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoropentanoic acid (PFPeA)	ug/kg	< 0.1			0.1	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 0.1			0.1	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 0.1			0.1	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 0.1			0.1	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 0.1			0.1	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 0.1			0.1	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 0.1			0.1	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFASs)- Trace							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 0.1			0.1	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 0.1			0.1	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 0.1			0.1	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 0.1			0.1	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 0.1			0.1	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 0.1			0.1	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 0.1			0.1	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 0.1			0.1	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 0.5			0.5	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	105			70-130	Pass	
TRH C6-C10	%	106			70-130	Pass	
Naphthalene	%	81			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	76			70-130	Pass	
Toluene	%	88			70-130	Pass	
Ethylbenzene	%	101			70-130	Pass	
m&p-Xylenes	%	100			70-130	Pass	
Xylenes - Total*	%	99			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	93			70-130	Pass	
Acenaphthylene	%	81			70-130	Pass	
Anthracene	%	90			70-130	Pass	
Benz(a)anthracene	%	80			70-130	Pass	
Benzo(a)pyrene	%	114			70-130	Pass	
Benzo(b&j)fluoranthene	%	113			70-130	Pass	
Benzo(g,h,i)perylene	%	75			70-130	Pass	
Benzo(k)fluoranthene	%	107			70-130	Pass	
Chrysene	%	91			70-130	Pass	
Dibenz(a,h)anthracene	%	77			70-130	Pass	
Fluoranthene	%	82			70-130	Pass	
Fluorene	%	91			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	77			70-130	Pass	
Naphthalene	%	82			70-130	Pass	
Phenanthrene	%	86			70-130	Pass	
Pyrene	%	83			70-130	Pass	
LCS - % Recovery							
Conductivity (1:5 aqueous extract at 25 °C as rec.)	%	91			70-130	Pass	
LCS - % Recovery							
Total Organic Carbon	%	82			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Bifenthrin*	%	101			70-130	Pass	
LCS - % Recovery							
NEPM 2013 Organochlorine Pesticides							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endosulfan sulphate	%	77			70-130	Pass	
Mirex	%	78			70-130	Pass	
4.4'-DDD	%	86			70-130	Pass	
4.4'-DDE	%	89			70-130	Pass	
4.4'-DDT	%	89			70-130	Pass	
Aldrin	%	87			70-130	Pass	
Chlordanes - Total	%	85			70-130	Pass	
Dieldrin	%	97			70-130	Pass	
Endosulfan I	%	82			70-130	Pass	
Endosulfan II	%	82			70-130	Pass	
Endrin	%	72			70-130	Pass	
Heptachlor	%	76			70-130	Pass	
Hexachlorobenzene	%	99			70-130	Pass	
Methoxychlor	%	94			70-130	Pass	
LCS - % Recovery							
NEPM 2013 Phenols							
2-Methylphenol (o-Cresol)	%	77			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	87			25-140	Pass	
Pentachlorophenol	%	96			25-140	Pass	
Phenol	%	36			25-140	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	80			80-120	Pass	
Beryllium	%	102			80-120	Pass	
Boron	%	84			80-120	Pass	
Cadmium	%	113			80-120	Pass	
Chromium	%	89			80-120	Pass	
Cobalt	%	89			80-120	Pass	
Copper	%	90			80-120	Pass	
Iron	%	111			80-120	Pass	
Lead	%	87			80-120	Pass	
Manganese	%	90			80-120	Pass	
Mercury	%	95			80-120	Pass	
Nickel	%	83			80-120	Pass	
Selenium	%	85			80-120	Pass	
Silver	%	118			80-120	Pass	
Zinc	%	84			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	116			70-130	Pass	
TRH C6-C10	%	116			70-130	Pass	
Naphthalene	%	83			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	90			70-130	Pass	
Toluene	%	102			70-130	Pass	
Ethylbenzene	%	113			70-130	Pass	
m&p-Xylenes	%	115			70-130	Pass	
Xylenes - Total*	%	115			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorotetradecanoic acid (PFTeDA)	%	92			50-150	Pass	
LCS - % Recovery							
Heavy Metals							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Arsenic	%	97			80-120	Pass	
Barium	%	101			80-120	Pass	
Beryllium	%	104			80-120	Pass	
Boron	%	100			80-120	Pass	
Cadmium	%	102			80-120	Pass	
Chromium	%	110			80-120	Pass	
Cobalt	%	111			80-120	Pass	
Copper	%	103			80-120	Pass	
Iron	%	110			80-120	Pass	
Lead	%	104			80-120	Pass	
Manganese	%	111			80-120	Pass	
Mercury	%	96			80-120	Pass	
Nickel	%	103			80-120	Pass	
Selenium	%	101			80-120	Pass	
Silver	%	108			80-120	Pass	
Zinc	%	96			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	103			70-130	Pass	
TRH C6-C10	%	104			70-130	Pass	
Naphthalene	%	70			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	77			70-130	Pass	
Toluene	%	80			70-130	Pass	
Ethylbenzene	%	77			70-130	Pass	
m&p-Xylenes	%	70			70-130	Pass	
Xylenes - Total*	%	71			70-130	Pass	
LCS - % Recovery							
Chromium (hexavalent)	%	129			70-130	Pass	
Cyanide (total)	%	111			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	118			25-140	Pass	
2,4-Dichlorophenol	%	64			25-140	Pass	
2,4,5-Trichlorophenol	%	117			25-140	Pass	
2,4,6-Trichlorophenol	%	115			25-140	Pass	
2,6-Dichlorophenol	%	122			25-140	Pass	
4-Chloro-3-methylphenol	%	122			25-140	Pass	
Pentachlorophenol	%	96			25-140	Pass	
Tetrachlorophenols - Total	%	94			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	%	42			25-140	Pass	
2-Methyl-4,6-dinitrophenol	%	51			25-140	Pass	
2-Nitrophenol	%	52			25-140	Pass	
2,4-Dimethylphenol	%	113			25-140	Pass	
2,4-Dinitrophenol	%	52			25-140	Pass	
2-Methylphenol (o-Cresol)	%	77			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	87			25-140	Pass	
4-Nitrophenol	%	91			25-140	Pass	
Dinoseb	%	67			25-140	Pass	
Phenol	%	36			25-140	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Organochlorine Pesticides							
Chlordanes - Total	%	85			70-130	Pass	
4,4'-DDD	%	86			70-130	Pass	
4,4'-DDE	%	89			70-130	Pass	
4,4'-DDT	%	89			70-130	Pass	
a-HCH	%	87			70-130	Pass	
Aldrin	%	87			70-130	Pass	
b-HCH	%	88			70-130	Pass	
d-HCH	%	90			70-130	Pass	
Dieldrin	%	97			70-130	Pass	
Endosulfan I	%	82			70-130	Pass	
Endosulfan II	%	82			70-130	Pass	
Endosulfan sulphate	%	77			70-130	Pass	
Endrin	%	72			70-130	Pass	
Endrin aldehyde	%	91			70-130	Pass	
Endrin ketone	%	81			70-130	Pass	
g-HCH (Lindane)	%	72			70-130	Pass	
Heptachlor	%	76			70-130	Pass	
Heptachlor epoxide	%	85			70-130	Pass	
Hexachlorobenzene	%	99			70-130	Pass	
Methoxychlor	%	94			70-130	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	83			70-130	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	%	95			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	103			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	96			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	91			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	96			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	108			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	91			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	%	94			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	90			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	92			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	101			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	106			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	103			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	87			50-150	Pass	
Perfluorotridecanoic acid (PFTeDA)	%	140			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	113			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	103			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	107			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSA)- Trace							
Perfluorobutanesulfonic acid (PFBS)	%	100			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	87			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	103			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	82			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	85			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	102			50-150	Pass	

Test				Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorooctanesulfonic acid (PFOS)				%	91			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)				%	67			50-150	Pass	
LCS - % Recovery										
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace										
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)				%	87			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)				%	103			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)				%	88			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)				%	102			50-150	Pass	
LCS - % Recovery										
Total Recoverable Hydrocarbons										
TRH C10-C14				%	85			70-130	Pass	
TRH >C10-C16				%	89			70-130	Pass	
LCS - % Recovery										
Organophosphorus Pesticides										
Diazinon				%	85			70-130	Pass	
Dimethoate				%	86			70-130	Pass	
Ethion				%	87			70-130	Pass	
Fenitrothion				%	84			70-130	Pass	
Methyl parathion				%	78			70-130	Pass	
Mevinphos				%	78			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code	
Spike - % Recovery										
Total Recoverable Hydrocarbons					Result 1					
TRH C10-C14	M26-Ap0027058	NCP	%	127			70-130	Pass		
TRH >C10-C16	M26-Ap0027058	NCP	%	127			70-130	Pass		
Spike - % Recovery										
BTEX					Result 1					
Benzene	M26-Ap0030452	NCP	%	90			70-130	Pass		
Toluene	M26-Ap0030452	NCP	%	123			70-130	Pass		
Ethylbenzene	M26-Ap0030452	NCP	%	129			70-130	Pass		
m&p-Xylenes	M26-Ap0030452	NCP	%	110			70-130	Pass		
o-Xylene	M26-Ap0030452	NCP	%	126			70-130	Pass		
Xylenes - Total*	M26-Ap0030452	NCP	%	115			70-130	Pass		
Spike - % Recovery										
Polycyclic Aromatic Hydrocarbons					Result 1					
Acenaphthene	M26-Ap0024246	NCP	%	72			70-130	Pass		
Acenaphthylene	M26-Ap0026843	NCP	%	83			70-130	Pass		
Anthracene	M26-Ap0024246	NCP	%	86			70-130	Pass		
Benz(a)anthracene	M26-Ap0024246	NCP	%	90			70-130	Pass		
Benzo(a)pyrene	M26-Ap0024246	NCP	%	82			70-130	Pass		
Benzo(b&j)fluoranthene	M26-Ap0024246	NCP	%	80			70-130	Pass		
Benzo(g.h.i)perylene	M26-Ap0024246	NCP	%	93			70-130	Pass		
Benzo(k)fluoranthene	M26-Ap0024246	NCP	%	87			70-130	Pass		
Chrysene	M26-Ap0024246	NCP	%	97			70-130	Pass		
Dibenz(a.h)anthracene	M26-Ap0024246	NCP	%	94			70-130	Pass		
Fluoranthene	M26-Ap0026843	NCP	%	83			70-130	Pass		
Fluorene	M26-Ap0024246	NCP	%	111			70-130	Pass		
Indeno(1.2.3-cd)pyrene	M26-Ap0024246	NCP	%	93			70-130	Pass		
Naphthalene	M26-Ap0026843	NCP	%	90			70-130	Pass		
Phenanthrene	M26-Ap0026843	NCP	%	88			70-130	Pass		
Pyrene	M26-Ap0026843	NCP	%	83			70-130	Pass		
Spike - % Recovery										
Heavy Metals					Result 1					
Lead	M26-Ap0026586	NCP	%	124			75-125	Pass		

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Boron	M26-Ap0027057	NCP	%	84			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Bifenthrin*	M26-Ap0026842	NCP	%	94			70-130	Pass	
Spike - % Recovery									
NEPM 2013 Organochlorine Pesticides				Result 1					
Endosulfan sulphate	M26-Ap0026842	NCP	%	74			70-130	Pass	
Mirex	M26-Ap0026842	NCP	%	74			70-130	Pass	
4.4'-DDD	M26-Ap0026842	NCP	%	122			70-130	Pass	
4.4'-DDE	M26-Ap0026842	NCP	%	89			70-130	Pass	
4.4'-DDT	M26-Ap0026842	NCP	%	89			70-130	Pass	
Aldrin	M26-Ap0026842	NCP	%	78			70-130	Pass	
Chlordanes - Total	M26-Ap0026842	NCP	%	79			70-130	Pass	
Dieldrin	M26-Ap0026842	NCP	%	83			70-130	Pass	
Endosulfan I	M26-Ap0026842	NCP	%	78			70-130	Pass	
Endosulfan II	M26-Ap0026842	NCP	%	75			70-130	Pass	
Endrin	M26-Ap0026842	NCP	%	96			70-130	Pass	
Heptachlor	M26-Ap0026842	NCP	%	71			70-130	Pass	
Hexachlorobenzene	M26-Ap0026842	NCP	%	96			70-130	Pass	
Methoxychlor	M26-Ap0026842	NCP	%	92			70-130	Pass	
Spike - % Recovery									
NEPM 2013 Phenols				Result 1					
2-Methylphenol (o-Cresol)	M26-Ap0026842	NCP	%	78			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M26-Ap0026842	NCP	%	88			30-130	Pass	
Pentachlorophenol	M26-Ap0026842	NCP	%	42			30-130	Pass	
Phenol	M26-Ap0026842	NCP	%	35			30-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M26-Ap0025801	CP	%	88			70-130	Pass	
TRH C6-C10	M26-Ap0025801	CP	%	89			70-130	Pass	
Naphthalene	M26-Ap0025801	CP	%	84			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M26-Ap0025801	CP	%	74			70-130	Pass	
Toluene	M26-Ap0025801	CP	%	83			70-130	Pass	
Ethylbenzene	M26-Ap0025801	CP	%	94			70-130	Pass	
m&p-Xylenes	M26-Ap0025801	CP	%	96			70-130	Pass	
o-Xylene	M26-Ap0025801	CP	%	98			70-130	Pass	
Xylenes - Total*	M26-Ap0025801	CP	%	96			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Trace				Result 1					
Perfluorooctane sulfonamide (FOSA)	M26-Ap0025801	CP	%	92			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M26-Ap0025801	CP	%	101			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M26-Ap0025801	CP	%	98			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M26-Ap0025801	CP	%	97			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M26-Ap0025801	CP	%	104			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M26-Ap0025801	CP	%	118			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M26-Ap0025801	CP	%	93			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1					
Perfluorobutanoic acid (PFBA)	M26-Ap0025801	CP	%	100			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	M26-Ap0025801	CP	%	107			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	M26-Ap0025801	CP	%	102			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	M26-Ap0025801	CP	%	98			50-150	Pass	
Perfluorooctanoic acid (PFOA)	M26-Ap0025801	CP	%	112			50-150	Pass	
Perfluorononanoic acid (PFNA)	M26-Ap0025801	CP	%	101			50-150	Pass	
Perfluorodecanoic acid (PFDA)	M26-Ap0025801	CP	%	89			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	M26-Ap0025801	CP	%	137			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	M26-Ap0025801	CP	%	110			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	M26-Ap0025801	CP	%	108			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M26-Ap0025801	CP	%	82			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSA)s- Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	M26-Ap0025801	CP	%	99			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	M26-Ap0025801	CP	%	87			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M26-Ap0025801	CP	%	102			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M26-Ap0025801	CP	%	92			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	M26-Ap0025801	CP	%	94			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M26-Ap0025801	CP	%	114			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	M26-Ap0025801	CP	%	127			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	M26-Ap0025801	CP	%	70			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M26-Ap0025801	CP	%	111			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	M26-Ap0025801	CP	%	92			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M26-Ap0025801	CP	%	91			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M26-Ap0025801	CP	%	106			50-150	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M26-Ap0025804	CP	%	76			75-125	Pass	
Barium	M26-Ap0025804	CP	%	119			75-125	Pass	
Beryllium	M26-Ap0025804	CP	%	77			75-125	Pass	
Cadmium	M26-Ap0025804	CP	%	104			75-125	Pass	
Chromium	M26-Ap0025804	CP	%	79			75-125	Pass	
Copper	M26-Ap0025804	CP	%	88			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Mercury	M26-Ap0025804	CP	%	95			75-125	Pass	
Nickel	M26-Ap0025804	CP	%	87			75-125	Pass	
Selenium	M26-Ap0025804	CP	%	77			75-125	Pass	
Silver	M26-Ap0025804	CP	%	111			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M26-Ap0025806	CP	%	80			70-130	Pass	
TRH C6-C10	M26-Ap0025806	CP	%	73			70-130	Pass	
Naphthalene	M26-Ap0025806	CP	%	103			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Toluene	M26-Ap0025806	CP	%	79			70-130	Pass	
Ethylbenzene	M26-Ap0025806	CP	%	80			70-130	Pass	
m&p-Xylenes	M26-Ap0025806	CP	%	85			70-130	Pass	
o-Xylene	M26-Ap0025806	CP	%	90			70-130	Pass	
Xylenes - Total*	M26-Ap0025806	CP	%	86			70-130	Pass	
Spike - % Recovery									
				Result 1					
Chromium (hexavalent)	M26-Ap0029395	NCP	%	101			70-130	Pass	
Cyanide (total)	M26-Ap0026789	NCP	%	118			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	M26-Ap0026842	NCP	%	105			30-130	Pass	
2,4-Dichlorophenol	M26-Ap0026842	NCP	%	81			30-130	Pass	
2,4,5-Trichlorophenol	M26-Ap0026842	NCP	%	110			30-130	Pass	
2,4,6-Trichlorophenol	M26-Ap0026842	NCP	%	125			30-130	Pass	
2,6-Dichlorophenol	M26-Ap0026842	NCP	%	98			30-130	Pass	
4-Chloro-3-methylphenol	M26-Ap0026842	NCP	%	118			30-130	Pass	
Pentachlorophenol	M26-Ap0026842	NCP	%	42			30-130	Pass	
Tetrachlorophenols - Total	M26-Ap0026842	NCP	%	103			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4,6-dinitrophenol	M26-Ap0026842	NCP	%	38			30-130	Pass	
2-Methyl-4,6-dinitrophenol	M26-Ap0026842	NCP	%	36			30-130	Pass	
2-Nitrophenol	M26-Ap0026842	NCP	%	53			30-130	Pass	
2,4-Dimethylphenol	M26-Ap0026842	NCP	%	114			30-130	Pass	
2,4-Dinitrophenol	M26-Ap0019154	NCP	%	38			30-130	Pass	
2-Methylphenol (o-Cresol)	M26-Ap0026842	NCP	%	78			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M26-Ap0026842	NCP	%	88			30-130	Pass	
4-Nitrophenol	M26-Ap0001773	NCP	%	44			30-130	Pass	
Dinoseb	M26-Ap0026842	NCP	%	52			30-130	Pass	
Phenol	M26-Ap0026842	NCP	%	35			30-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Cobalt	M26-Ap0026866	NCP	%	106			75-125	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M26-Ap0026842	NCP	%	79			70-130	Pass	
4,4'-DDD	M26-Ap0026842	NCP	%	122			70-130	Pass	
4,4'-DDE	M26-Ap0026842	NCP	%	89			70-130	Pass	
4,4'-DDT	M26-Ap0026842	NCP	%	89			70-130	Pass	
a-HCH	M26-Ap0026842	NCP	%	82			70-130	Pass	
Aldrin	M26-Ap0026842	NCP	%	78			70-130	Pass	
b-HCH	M26-Ap0026842	NCP	%	90			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
d-HCH	M26-Ap0026842	NCP	%	90			70-130	Pass	
Dieldrin	M26-Ap0026842	NCP	%	83			70-130	Pass	
Endosulfan I	M26-Ap0026842	NCP	%	78			70-130	Pass	
Endosulfan II	M26-Ap0026842	NCP	%	75			70-130	Pass	
Endosulfan sulphate	M26-Ap0026842	NCP	%	74			70-130	Pass	
Endrin	M26-Ap0026842	NCP	%	96			70-130	Pass	
Endrin aldehyde	M26-Ap0026842	NCP	%	96			70-130	Pass	
Endrin ketone	M26-Ap0026842	NCP	%	75			70-130	Pass	
g-HCH (Lindane)	M26-Ap0026842	NCP	%	73			70-130	Pass	
Heptachlor	M26-Ap0026842	NCP	%	71			70-130	Pass	
Heptachlor epoxide	M26-Ap0026842	NCP	%	80			70-130	Pass	
Hexachlorobenzene	M26-Ap0026842	NCP	%	96			70-130	Pass	
Methoxychlor	M26-Ap0026842	NCP	%	92			70-130	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	M26-Ap0026842	NCP	%	85			70-130	Pass	
Aroclor-1260	M26-Ap0026842	NCP	%	87			70-130	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Trace				Result 1					
Perfluorooctane sulfonamide (FOSA)	M26-Ap0032975	NCP	%	123			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M26-Ap0032975	NCP	%	123			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M26-Ap0032975	NCP	%	129			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M26-Ap0032975	NCP	%	123			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M26-Ap0032975	NCP	%	118			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M26-Ap0032975	NCP	%	145			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M26-Ap0032975	NCP	%	115			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1					
Perfluorobutanoic acid (PFBA)	M26-Ap0032975	NCP	%	124			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	M26-Ap0032975	NCP	%	121			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	M26-Ap0032975	NCP	%	127			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	M26-Ap0032975	NCP	%	126			50-150	Pass	
Perfluorooctanoic acid (PFOA)	M26-Ap0026789	NCP	%	128			50-150	Pass	
Perfluorononanoic acid (PFNA)	M26-Ap0032975	NCP	%	123			50-150	Pass	
Perfluorodecanoic acid (PFDA)	M26-Ap0032975	NCP	%	111			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	M26-Ap0032975	NCP	%	124			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	M26-Ap0032975	NCP	%	133			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	M26-Ap0032975	NCP	%	132			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M26-Ap0032975	NCP	%	90			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSA)s- Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	M26-Ap0032975	NCP	%	123			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	M26-Ap0032975	NCP	%	105			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M26-Ap0032975	NCP	%	124			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoropentanesulfonic acid (PFPeS)	M26-Ap0032975	NCP	%	107			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	M26-Ap0026789	NCP	%	91			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M26-Ap0032975	NCP	%	121			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	M26-Ap0032975	NCP	%	116			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	M26-Ap0032975	NCP	%	95			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M26-Ap0032975	NCP	%	129			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	M26-Ap0026789	NCP	%	119			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M26-Ap0032975	NCP	%	127			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M26-Ap0032975	NCP	%	133			50-150	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M26-Ap0026842	NCP	%	77			70-130	Pass	
Dimethoate	M26-Ap0026842	NCP	%	75			70-130	Pass	
Ethion	M26-Ap0026842	NCP	%	85			70-130	Pass	
Fenitrothion	M26-Ap0026842	NCP	%	89			70-130	Pass	
Methyl parathion	M26-Ap0026842	NCP	%	75			70-130	Pass	
Mevinphos	M26-Ap0026842	NCP	%	74			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M26-Ap0026851	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M26-Ap0026851	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M26-Ap0026851	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M26-Ap0026851	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M26-Ap0026851	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	M26-Ap0026851	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M26-Ap0025795	CP	mg/kg	17	18	5.0	30%	Pass	
Barium	M26-Ap0025795	CP	mg/kg	210	190	11	30%	Pass	
Beryllium	M26-Ap0025795	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Boron	M26-Ap0025795	CP	mg/kg	< 20	< 20	<1	30%	Pass	
Cadmium	M26-Ap0025795	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	M26-Ap0025795	CP	mg/kg	12	12	3.0	30%	Pass	
Cobalt	M26-Ap0025795	CP	mg/kg	< 5	< 5	<1	30%	Pass	
Copper	M26-Ap0025795	CP	mg/kg	30	38	23	30%	Pass	
Iron	M26-Ap0025795	CP	mg/kg	12000	11000	10	30%	Pass	
Lead	M26-Ap0025795	CP	mg/kg	49	63	25	30%	Pass	
Manganese	M26-Ap0025795	CP	mg/kg	170	170	<1	30%	Pass	
Mercury	M26-Ap0025795	CP	mg/kg	< 0.1	0.3	130	30%	Fail	Q15
Nickel	M26-Ap0025795	CP	mg/kg	6.5	5.9	10	30%	Pass	
Selenium	M26-Ap0025795	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Silver	M26-Ap0025795	CP	mg/kg	< 2	< 2	<1	30%	Pass	
Zinc	M26-Ap0025795	CP	mg/kg	130	170	25	30%	Pass	

Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M26-Ap0024723	NCP	%	58	58	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
% Clay	M26-Ap0018221	NCP	%	10	13	19	30%	Pass
Conductivity (1:5 aqueous extract at 25 °C as rec.)	M26-Ap0026804	NCP	uS/cm	99	110	9.0	30%	Pass
Total Organic Carbon	M26-Ap0022241	NCP	%	19	19	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Iron (%)	M26-Ap0034556	NCP	%	1.8	1.8	2.0	30%	Pass
Duplicate								
Cation Exchange Capacity				Result 1	Result 2	RPD		
Cation Exchange Capacity	B26-Ap0020643	NCP	meq/100g	22	23	3.0	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C6-C9	M26-Ap0025798	CP	mg/kg	< 20	< 20	<1	30%	Pass
TRH C6-C10	M26-Ap0025798	CP	mg/kg	< 20	< 20	<1	30%	Pass
Naphthalene	M26-Ap0025798	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
BTEX				Result 1	Result 2	RPD		
Benzene	M26-Ap0025798	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Toluene	M26-Ap0025798	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Ethylbenzene	M26-Ap0025798	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
m&p-Xylenes	M26-Ap0025798	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
o-Xylene	M26-Ap0025798	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Xylenes - Total*	M26-Ap0025798	CP	mg/kg	< 0.3	< 0.3	<1	30%	Pass
Duplicate								
Cation Exchange Capacity				Result 1	Result 2	RPD		
Cation Exchange Capacity	M26-Ap0025798	CP	meq/100g	12	13	2.0	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Bifenthrin*	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Duplicate								
Triazines				Result 1	Result 2	RPD		
Atrazine	M26-Ap0027017	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Duplicate								
NEPM 2013 Acid Herbicides				Result 1	Result 2	RPD		
Picloram	M26-Ap0014194	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-D	M26-Ap0014194	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-T	M26-Ap0014194	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
MCPA	M26-Ap0014194	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
MCPB	M26-Ap0014194	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Mecoprop	M26-Ap0014194	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
NEPM 2013 Organochlorine Pesticides				Result 1	Result 2	RPD		
Endosulfan sulphate	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Mirex	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDD	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDE	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDT	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Aldrin	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Chlordanes - Total	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Dieldrin	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan I	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass

Duplicate								
NEPM 2013 Organochlorine Pesticides				Result 1	Result 2	RPD		
Endosulfan II	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Hexachlorobenzene	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Methoxychlor	M26-Ap0027017	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Toxaphene	M26-Ap0027017	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
NEPM 2013 Phenols				Result 1	Result 2	RPD		
2-Methylphenol (o-Cresol)	M26-Ap0027017	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	M26-Ap0027017	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Pentachlorophenol	M26-Ap0027017	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Phenol	M26-Ap0027017	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M26-Ap0025800	CP	mg/kg	4.4	4.8	10	30%	Pass
Barium	M26-Ap0025800	CP	mg/kg	120	95	22	30%	Pass
Beryllium	M26-Ap0025800	CP	mg/kg	< 2	< 2	<1	30%	Pass
Boron	M26-Ap0025800	CP	mg/kg	< 20	< 20	<1	30%	Pass
Cadmium	M26-Ap0025800	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M26-Ap0025800	CP	mg/kg	57	62	8.0	30%	Pass
Cobalt	M26-Ap0025800	CP	mg/kg	13	14	8.0	30%	Pass
Copper	M26-Ap0025800	CP	mg/kg	14	19	29	30%	Pass
Iron	M26-Ap0025800	CP	mg/kg	33000	36000	10	30%	Pass
Lead	M26-Ap0025800	CP	mg/kg	32	39	19	30%	Pass
Manganese	M26-Ap0025800	CP	mg/kg	350	350	1.0	30%	Pass
Mercury	M26-Ap0025800	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M26-Ap0025800	CP	mg/kg	27	30	12	30%	Pass
Selenium	M26-Ap0025800	CP	mg/kg	< 2	< 2	<1	30%	Pass
Silver	M26-Ap0025800	CP	mg/kg	< 2	< 2	<1	30%	Pass
Zinc	M26-Ap0025800	CP	mg/kg	48	44	8.0	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C10-C14	M26-Ap0025801	CP	mg/kg	< 20	< 20	<1	30%	Pass
TRH C15-C28	M26-Ap0025801	CP	mg/kg	< 50	< 50	<1	30%	Pass
TRH C29-C36	M26-Ap0025801	CP	mg/kg	< 50	< 50	<1	30%	Pass
TRH >C10-C16	M26-Ap0025801	CP	mg/kg	< 50	< 50	<1	30%	Pass
TRH >C16-C34	M26-Ap0025801	CP	mg/kg	< 100	< 100	<1	30%	Pass
TRH >C34-C40	M26-Ap0025801	CP	mg/kg	< 100	< 100	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Aroclor-1016	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Mirex	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Total PCB*	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass

Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Acenaphthylene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Anthracene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benz(a)anthracene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(a)pyrene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(b&j)fluoranthene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(g,h,i)perylene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Dinoseb	M26-Ap0025801	CP	mg/kg	< 20	< 20	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	M26-Ap0025801	CP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	M26-Ap0025801	CP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	M26-Ap0025801	CP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	M26-Ap0025801	CP	mg/kg	< 1	< 1	<1	30%	Pass
Tetrachlorophenols - Total	M26-Ap0025801	CP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	M26-Ap0025801	CP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	M26-Ap0025801	CP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	M26-Ap0025801	CP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	M26-Ap0025801	CP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	M26-Ap0025801	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
4-Nitrophenol	M26-Ap0025801	CP	mg/kg	< 5	< 5	<1	30%	Pass
Phenol	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M26-Ap0025801	CP	%	8.4	7.3	14	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Bifenthrin*	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Chlordanes - Total	M26-Ap0025801	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
4,4'-DDD	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDE	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDT	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
α-HCH	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Aldrin	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
β-HCH	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
δ-HCH	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass

Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Dieldrin	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan I	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan II	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan sulphate	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin aldehyde	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin ketone	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
g-HCH (Lindane)	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor epoxide	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Hexachlorobenzene	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Methoxychlor	M26-Ap0025801	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Toxaphene	M26-Ap0025801	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Azinphos-methyl	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Bolstar	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorfenvinphos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos-methyl	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Coumaphos	M26-Ap0025801	CP	mg/kg	< 2	< 2	<1	30%	Pass
Demeton-S	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Demeton-O	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Diazinon	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dichlorvos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dimethoate	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Disulfoton	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
EPN	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethoprop	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethyl parathion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenitrothion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fensulfthion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenthion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Malathion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Merphos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Methyl parathion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Mevinphos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Monocrotophos	M26-Ap0025801	CP	mg/kg	< 2	< 2	<1	30%	Pass
Naled	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Omethoate	M26-Ap0025801	CP	mg/kg	< 2	< 2	<1	30%	Pass
Phorate	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pirimiphos-methyl	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pyrazophos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ronnel	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Terbufos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tetrachlorvinphos	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tokuthion	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Trichloronate	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Duplicate								
Triazines				Result 1	Result 2	RPD		
Atrazine	M26-Ap0025801	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass

Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M26-Ap0025802	CP	mg/kg	3.8	3.2	18	30%	Pass
Barium	M26-Ap0025802	CP	mg/kg	62	70	13	30%	Pass
Beryllium	M26-Ap0025802	CP	mg/kg	< 2	< 2	<1	30%	Pass
Boron	M26-Ap0025802	CP	mg/kg	< 20	< 20	<1	30%	Pass
Cadmium	M26-Ap0025802	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M26-Ap0025802	CP	mg/kg	40	32	21	30%	Pass
Copper	M26-Ap0025802	CP	mg/kg	15	14	4.0	30%	Pass
Iron	M26-Ap0025802	CP	mg/kg	29000	26000	11	30%	Pass
Lead	M26-Ap0025802	CP	mg/kg	18	23	25	30%	Pass
Manganese	M26-Ap0025802	CP	mg/kg	450	430	4.0	30%	Pass
Mercury	M26-Ap0025802	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M26-Ap0025802	CP	mg/kg	19	21	12	30%	Pass
Selenium	M26-Ap0025802	CP	mg/kg	< 2	< 2	<1	30%	Pass
Silver	M26-Ap0025802	CP	mg/kg	< 2	< 2	<1	30%	Pass
Zinc	M26-Ap0025802	CP	mg/kg	50	47	7.0	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M26-Ap0025804	CP	mg/kg	5.1	5.2	2.0	30%	Pass
Barium	M26-Ap0025804	CP	mg/kg	65	67	4.0	30%	Pass
Beryllium	M26-Ap0025804	CP	mg/kg	< 2	< 2	<1	30%	Pass
Boron	M26-Ap0025804	CP	mg/kg	< 20	< 20	<1	30%	Pass
Cadmium	M26-Ap0025804	CP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M26-Ap0025804	CP	mg/kg	44	44	1.0	30%	Pass
Cobalt	M26-Ap0025804	CP	mg/kg	18	19	4.0	30%	Pass
Copper	M26-Ap0025804	CP	mg/kg	17	18	4.0	30%	Pass
Iron	M26-Ap0025804	CP	mg/kg	30000	30000	2.0	30%	Pass
Lead	M26-Ap0025804	CP	mg/kg	110	110	2.0	30%	Pass
Manganese	M26-Ap0025804	CP	mg/kg	320	320	2.0	30%	Pass
Mercury	M26-Ap0025804	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M26-Ap0025804	CP	mg/kg	19	19	5.0	30%	Pass
Selenium	M26-Ap0025804	CP	mg/kg	< 2	< 2	<1	30%	Pass
Silver	M26-Ap0025804	CP	mg/kg	< 2	< 2	<1	30%	Pass
Zinc	M26-Ap0025804	CP	mg/kg	87	91	4.0	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Chromium (hexavalent)	B26-Ap0018679	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M26-Ap0027017	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	M26-Ap0027017	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	M26-Ap0027017	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	M26-Ap0027017	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	M26-Ap0027017	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	M26-Ap0027017	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	M26-Ap0027017	NCP	mg/kg	< 1	**	<1	30%	Pass
Tetrachlorophenols - Total	M26-Ap0027017	NCP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	M26-Ap0027017	NCP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	M26-Ap0027017	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	M26-Ap0027017	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	M26-Ap0027017	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	M26-Ap0027017	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	M26-Ap0027017	NCP	mg/kg	< 0.2	**	<1	30%	Pass

Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
3&4-Methylphenol (m&p-Cresol)	M26-Ap0027017	NCP	mg/kg	< 0.4	**	<1	30%	Pass
4-Nitrophenol	M26-Ap0027017	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Dinoseb	M26-Ap0027017	NCP	mg/kg	< 20	< 20	<1	30%	Pass
Phenol	M26-Ap0027017	NCP	mg/kg	< 0.5	**	<1	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Total PCB*	M26-Ap0027017	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Tetrachloroethene	M26-Ap0026826	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Perfluoroalkyl sulfonamido substances- Trace				Result 1	Result 2	RPD		
Perfluorooctane sulfonamide (FOSA)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1	Result 2	RPD		
Perfluorobutanoic acid (PFBA)	M26-Ap0033429	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
Perfluoropentanoic acid (PFPeA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorohexanoic acid (PFHxA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluoroheptanoic acid (PFHpA)	M26-Ap0033429	NCP	ug/kg	0.1	0.1	3.0	30%	Pass
Perfluorooctanoic acid (PFOA)	M26-Ap0026784	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorononanoic acid (PFNA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorodecanoic acid (PFDA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorotridecanoic acid (PFTTrDA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluoroundecanoic acid (PFUnDA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorododecanoic acid (PFDoDA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorotetradecanoic acid (PFTeDA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass

Duplicate								
Perfluoroalkyl sulfonic acids (PFASs)- Trace				Result 1	Result 2	RPD		
Perfluorobutanesulfonic acid (PFBS)	M26-Ap0033429	NCP	ug/kg	0.3	0.4	23	30%	Pass
Perfluorononanesulfonic acid (PFNS)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluoropropanesulfonic acid (PFPrS)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluoropentanesulfonic acid (PFPeS)	M26-Ap0033429	NCP	ug/kg	0.2	0.2	2.0	30%	Pass
Perfluorohexanesulfonic acid (PFHxS)	M26-Ap0026784	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluoroheptanesulfonic acid (PFHpS)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorooctanesulfonic acid (PFOS)	M26-Ap0026784	NCP	ug/kg	0.5	0.6	13	30%	Pass
Perfluorodecanesulfonic acid (PFDS)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace				Result 1	Result 2	RPD		
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	M26-Ap0026784	NCP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M26-Ap0033429	NCP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Cyanide (free)	M26-Ap0025809	CP	mg/kg	< 5	< 5	<1	30%	Pass
Cyanide (total)	M26-Ap0025809	CP	mg/kg	< 5	< 5	<1	30%	Pass

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
N09	Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Karl Bulow	Analytical Services Manager
Joseph Edouard	Senior Analyst-PFAS
Luke Holt	Senior Analyst-Inorganic
Matt Davies	Senior Analyst-Sample Properties
Sheha Prakash	Senior Analyst-Organic
Zoe Burke	Senior Analyst-Asbestos
Mary Makarios	Senior Analyst-Inorganic
Joseph Edouard	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal
Joseph Edouard	Senior Analyst-Organic
Emily Rosenberg	Senior Analyst-Inorganic
Edward Lee	Senior Analyst-Organic
Harry Bacalis	Senior Analyst-Volatile
Emily Rosenberg	Senior Analyst-Metal



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025 – Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Natasha Vella**

Report **1345169-W**
 Project name **Hygge Unley Road**
 Project ID **82257-2**
 Received Date **Apr 10, 2026**

Client Sample ID			RN1	TB1
Sample Matrix			Water	Water
Eurofins Sample No.			M26- Ap0025811	M26- Ap0025812
Date Sampled			Apr 08, 2026	Apr 08, 2026
Test/Reference	LOR	Unit		
Heavy Metals				
Arsenic	0.001	mg/L	< 0.001	-
Cadmium	0.0002	mg/L	< 0.0002	-
Chromium	0.001	mg/L	< 0.001	-
Copper	0.001	mg/L	< 0.001	-
Lead	0.001	mg/L	< 0.001	-
Mercury	0.0001	mg/L	< 0.0001	-
Nickel	0.001	mg/L	< 0.001	-
Zinc	0.005	mg/L	< 0.005	-
Total Recoverable Hydrocarbons				
TRH C6-C9	0.02	mg/L	-	< 0.02
TRH C6-C10	0.02	mg/L	-	< 0.02
TRH C6-C10 less BTEX (F1) ^{N04}	0.02	mg/L	-	< 0.02
Naphthalene ^{N02}	0.01	mg/L	-	< 0.01
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	74

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Eurofins Suite B7			
Metals M8 - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Melbourne	Apr 10, 2026	28 Days
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 10, 2026	7 Days
Total Recoverable Hydrocarbons - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 10, 2026	7 Days
BTEX - Method: LTM-ORG-2010 BTEX and Volatile TRH	Melbourne	Apr 10, 2026	14 Days

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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1345169
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 10, 2026 10:50 PM
Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																	
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID												
1	BH04_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025795						X				X		
2	BH04_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025796						X		X				
3	BH04_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025797				X		X						
4	BH05_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025798						X	X	X				
5	BH05_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025799	X											
6	BH05_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025800				X		X						
7	BH06_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025801					X	X				X		X
8	BH06_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025802				X		X						
9	BH08_0.0-0.1	Apr 08, 2026		Soil	M26-Ap0025803	X											
10	BH08_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025804					X	X				X		
11	BH08_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025805				X		X						
12	BH09_0.15-0.25	Apr 08, 2026		Soil	M26-Ap0025806						X			X			
13	BH09_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025807						X				X		X

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Project ID: 82257-2

Order No.:
Report #: 1345169
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 10, 2026 10:50 PM
Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
14	BH10_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025808				X		X						
15	BH10_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025809						X	X					
16	QC2	Apr 08, 2026		Soil	M26-Ap0025810					X	X				X		X
17	RN1	Apr 08, 2026		Water	M26-Ap0025811				X								
18	TB1	Apr 08, 2026		Water	M26-Ap0025812											X	
19	BH04_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025813			X									
20	BH04_0.6-0.8	Apr 08, 2026		Soil	M26-Ap0025814			X									
21	BH04_1.1-1.2	Apr 08, 2026		Soil	M26-Ap0025815			X									
22	BH04_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025816			X									
23	BH04_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025817			X									
24	BH04_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025818			X									
25	BH05_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025819			X									
26	BH05_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025820			X									
27	BH05_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025821			X									
28	BH05_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025822			X									
29	BH05_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025823			X									
30	BH05_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025824			X									

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Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
31	BH06_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025825		X										
32	BH06_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025826			X									
33	BH06_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025827			X									
34	BH06_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025828			X									
35	BH06_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025829			X									
36	BH06_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025830			X									
37	BH06_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025831			X									
38	BH08_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025832			X									
39	BH08_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025833			X									
40	BH09_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025834			X									
41	BH09_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025835			X									
42	BH09_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025836			X									
43	BH10_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025837			X									
44	BH10_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025838			X									
45	BH10_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025839			X									
46	QC1	Apr 08, 2026		Soil	M26-Ap0025840			X									
47	QC3	Apr 08, 2026		Soil	M26-Ap0025841			X									

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Site# 2370 & 2554

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1345169
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 10, 2026 10:50 PM
Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
48	QC4	Apr 08, 2026		Soil	M26-Ap0025842			X									
Test Counts						2	1	29	6	3	14	2	2	1	5	1	3

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Heavy Metals									
Arsenic			mg/L	< 0.001			0.001	Pass	
Cadmium			mg/L	< 0.0002			0.0002	Pass	
Chromium			mg/L	< 0.001			0.001	Pass	
Copper			mg/L	< 0.001			0.001	Pass	
Lead			mg/L	< 0.001			0.001	Pass	
Mercury			mg/L	< 0.0001			0.0001	Pass	
Nickel			mg/L	< 0.001			0.001	Pass	
Zinc			mg/L	< 0.005			0.005	Pass	
Method Blank									
Total Recoverable Hydrocarbons									
TRH C6-C9			mg/L	< 0.02			0.02	Pass	
TRH C6-C10			mg/L	< 0.02			0.02	Pass	
Naphthalene			mg/L	< 0.01			0.01	Pass	
Method Blank									
BTEX									
Benzene			mg/L	< 0.001			0.001	Pass	
Toluene			mg/L	< 0.001			0.001	Pass	
Ethylbenzene			mg/L	< 0.001			0.001	Pass	
m&p-Xylenes			mg/L	< 0.002			0.002	Pass	
o-Xylene			mg/L	< 0.001			0.001	Pass	
Xylenes - Total*			mg/L	< 0.003			0.003	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	110			80-120	Pass	
Cadmium			%	106			80-120	Pass	
Chromium			%	103			80-120	Pass	
Copper			%	109			80-120	Pass	
Lead			%	97			80-120	Pass	
Mercury			%	103			80-120	Pass	
Nickel			%	110			80-120	Pass	
Zinc			%	98			80-120	Pass	
LCS - % Recovery									
Total Recoverable Hydrocarbons									
TRH C6-C9			%	83			70-130	Pass	
TRH C6-C10			%	86			70-130	Pass	
Naphthalene			%	83			70-130	Pass	
LCS - % Recovery									
BTEX									
Benzene			%	75			70-130	Pass	
Toluene			%	82			70-130	Pass	
Ethylbenzene			%	92			70-130	Pass	
m&p-Xylenes			%	93			70-130	Pass	
Xylenes - Total*			%	94			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals									
Arsenic	M26-Ap0031438	NCP	%	96			75-125	Pass	
Cadmium	M26-Ap0031438	NCP	%	95			75-125	Pass	
Chromium	M26-Ap0031438	NCP	%	95			75-125	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Copper	M26-Ap0031438	NCP	%	100			75-125	Pass	
Lead	M26-Ap0031438	NCP	%	98			75-125	Pass	
Mercury	M26-Ap0031438	NCP	%	97			75-125	Pass	
Nickel	M26-Ap0031438	NCP	%	100			75-125	Pass	
Zinc	M26-Ap0031438	NCP	%	99			75-125	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M26-Ap0026730	NCP	%	75			70-130	Pass	
TRH C6-C10	M26-Ap0026730	NCP	%	77			70-130	Pass	
Naphthalene	M26-Ap0026730	NCP	%	82			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M26-Ap0026730	NCP	%	74			70-130	Pass	
Toluene	M26-Ap0026730	NCP	%	72			70-130	Pass	
Ethylbenzene	M26-Ap0026730	NCP	%	72			70-130	Pass	
m&p-Xylenes	M26-Ap0026730	NCP	%	70			70-130	Pass	
o-Xylene	M26-Ap0026730	NCP	%	70			70-130	Pass	
Xylenes - Total*	M26-Ap0026730	NCP	%	70			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Cadmium	M26-Ap0027409	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Zinc	M26-Ap0027409	NCP	mg/L	< 0.05	< 0.05	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M26-Ap0026434	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	M26-Ap0026434	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Naphthalene	M26-Ap0026434	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M26-Ap0026434	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	M26-Ap0026434	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	M26-Ap0026434	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	M26-Ap0026434	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	M26-Ap0026434	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	M26-Ap0026434	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.

Authorised by:

Karl Bulow	Analytical Services Manager
Joseph Edouard	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025—Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: Natasha Vella
Report 1345169-AID
Project Name Hygge Unley Road
Project ID 82257-2
Received Date Apr 10, 2026
Date Reported Apr 20, 2026

Methodology:

Asbestos Fibre
 Identification

Conducted in accordance with the Australian Standard AS 4964-2004: *Method for the Qualitative Identification of Asbestos in Bulk Samples* and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.

NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.

Unknown Mineral
 Fibres

Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity.

NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS 4964-2004 requires that these are reported as UMF unless confirmed by an independent technique.

Subsampling Soil
 Samples

The whole sample submitted is first dried and then passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm, greater than 2 mm as well as the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2 mm fraction is greater than approximately 30 g to 60 g then a sub-sampling routine based on ISO 3082:2017 is employed.

NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.

Bonded asbestos-
 containing material
 (ACM)

The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 4964-2004.

NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Limit of Reporting
 (LOR)

The performance limitation of the AS 4964-2004 method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01 % (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01 % (w/w).

The NEPM screening level of 0.001 % (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964-2004 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk).

NOTE: NATA News March 2014, p.7, states in relation to AS 4964-2004: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.

Project Name Hygge Unley Road
Project ID 82257-2
Date Sampled Apr 08, 2026
Report 1345169-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
BH05_0.4-0.5	26-Ap0025799	Apr 08, 2026	Approximate Sample 530g Sample consisted of: Coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibres detected. No trace asbestos detected.
BH08_0.0-0.1	26-Ap0025803	Apr 08, 2026	Approximate Sample 470g Sample consisted of: Coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibres detected. No trace asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Melbourne	Apr 10, 2026	Indefinite

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Site# 1254

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NATA# 1261
Site# 25403

Sydney
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+61 2 9900 8400
NATA# 1261
Site# 18217

Newcastle
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Mayfield West
NSW 2304
+61 2 4968 8448
NATA# 1261
Site# 25079

Canberra
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Mitchell
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+61 2 6113 8091
NATA# 1261
Site# 25466

Brisbane
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NATA# 1261
Site# 20794 & 2780

Hobart
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+61 3 8564 5000
NATA# 1261
Site# 1254

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+61 8 6253 4444
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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
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SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1345169
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 10, 2026 10:50 PM
Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
External Laboratory																	
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID												
1	BH04_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025795						X				X		
2	BH04_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025796						X		X				
3	BH04_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025797				X		X						
4	BH05_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025798						X	X	X				
5	BH05_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025799	X											
6	BH05_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025800				X		X						
7	BH06_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025801					X	X				X		X
8	BH06_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025802				X		X						
9	BH08_0.0-0.1	Apr 08, 2026		Soil	M26-Ap0025803	X											
10	BH08_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025804					X	X				X		
11	BH08_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025805				X		X						
12	BH09_0.15-0.25	Apr 08, 2026		Soil	M26-Ap0025806						X			X			
13	BH09_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025807						X				X		X

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Perth
46-48 Banksia Road
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+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1345169
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 10, 2026 10:50 PM
Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
14	BH10_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025808				X		X						
15	BH10_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025809						X	X					
16	QC2	Apr 08, 2026		Soil	M26-Ap0025810					X	X				X		X
17	RN1	Apr 08, 2026		Water	M26-Ap0025811				X								
18	TB1	Apr 08, 2026		Water	M26-Ap0025812											X	
19	BH04_0.1-0.2	Apr 08, 2026		Soil	M26-Ap0025813			X									
20	BH04_0.6-0.8	Apr 08, 2026		Soil	M26-Ap0025814			X									
21	BH04_1.1-1.2	Apr 08, 2026		Soil	M26-Ap0025815			X									
22	BH04_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025816			X									
23	BH04_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025817			X									
24	BH04_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025818			X									
25	BH05_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025819			X									
26	BH05_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025820			X									
27	BH05_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025821			X									
28	BH05_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025822			X									
29	BH05_4.9-5.0	Apr 08, 2026		Soil	M26-Ap0025823			X									
30	BH05_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025824			X									

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email: EnviroSales@eurofinsanz.com

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Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
31	BH06_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025825		X										
32	BH06_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025826			X									
33	BH06_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025827			X									
34	BH06_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025828			X									
35	BH06_2.9-3.0	Apr 08, 2026		Soil	M26-Ap0025829			X									
36	BH06_3.9-4.0	Apr 08, 2026		Soil	M26-Ap0025830			X									
37	BH06_5.9-6.0	Apr 08, 2026		Soil	M26-Ap0025831			X									
38	BH08_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025832			X									
39	BH08_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025833			X									
40	BH09_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025834			X									
41	BH09_1.4-1.5	Apr 08, 2026		Soil	M26-Ap0025835			X									
42	BH09_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025836			X									
43	BH10_0.4-0.5	Apr 08, 2026		Soil	M26-Ap0025837			X									
44	BH10_0.9-1.0	Apr 08, 2026		Soil	M26-Ap0025838			X									
45	BH10_1.9-2.0	Apr 08, 2026		Soil	M26-Ap0025839			X									
46	QC1	Apr 08, 2026		Soil	M26-Ap0025840			X									
47	QC3	Apr 08, 2026		Soil	M26-Ap0025841			X									

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Due: Apr 20, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Project Name: Hygge Unley Road
Project ID: 82257-2

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	CANCELLED*	HOLD*	Metals M8	Suite B14: OCP/OPP	Moisture Set	NEPM Screen Table 1(A) HIL's for Soil Contaminants - Basic Suite - Excluding	NEPM Screen for Soil Classification	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X	X	X	X	X	X	X	X	X	X	X
48	QC4	Apr 08, 2026		Soil	M26-Ap0025842			X									
Test Counts						2	1	29	6	3	14	2	2	1	5	1	3

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report in blue indicates data provided by the customer that may impact the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (% w/w)
F/ffd	Airborne fibre filter loading as Fibres (N) per Fields counted (n)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (C)
g, kg	Mass, e.g. of whole sample (M) or asbestos-containing find within the sample (m)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (V = r x t)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (r)
min	Time (t), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{d}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right)$

Asbestos Content (as asbestos): $\% w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \sum \frac{(m \times P_A)_x}{x}$

Terms

%Asbestos

Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (P_A). This estimate is not NATA-accredited.

ACM

Asbestos Containing Materials. Asbestos in a non-asbestos matrix is typically presented in bonded (non friable) condition. For the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.

AF

Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material, such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable".

AFM

Airborne Fibre Monitoring, e.g., by the MFM.

Amosite

Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

AS

Australian Standard.

Asbestos Content (as asbestos) Total %w/w asbestos content in asbestos-containing finds in a soil sample (% w/w).

Chrysotile

Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

COC

Chain of Custody.

Crocidolite

Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

Dry

Sample is dried by heating before analysis.

DS

Dispersion Staining. The technique required for unequivocal identification of asbestos fibres by PLM.

FA

Fibrous Asbestos. Asbestos-containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material previously non-friable and severely degraded. For the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to distinguish visibly and may be assessed as AF.

Fibre Count

Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003

Fibre ID

Fibre Identification. Unequivocal identification of asbestos fibres according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.

Friable

Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess the degree of friability.

HSG248

UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021), ISBN: 9780616667079.

HSG264

UK HSE HSG264, *Asbestos: The Survey Guide* (2012), ISBN: 9780717665020

ISO (also ISO/IEC)

International Organization for Standardization / International Electrotechnical Commission.

K Factor

Microscope constant (K) as derived from the effective filter area of the given AFM membrane used for collecting the sample (A) and the projected eyepiece graticule area of the specific microscope used for the analysis (a).

LOR

Limit of Reporting.

MFM (also NOHSC:3003)

Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].

MMVF

Man-Made Vitreous Fibre - exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and "bio-soluble fibres. NOTE: previously known as "synthetic mineral fibre" (SMF).

NEPM (also ASC NEPM)

National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).

Organic

Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified per AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

PCM

Phase Contrast Microscopy. This is used for fibre counting, according to the MFM.

PLM

Polarised Light Microscopy. It is used for fibre identification and residual analysis according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

Sampling

Unless otherwise stated, Eurofins are not responsible for sampling equipment or the sampling process.

SRA

Sample Receipt Advice.

Residual Analysis

An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly Trace Analysis in AS 4964-2004.

UK HSE HSG

United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.

Inconclusive

Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. It may include (but is not limited to) actinolite, anthophyllite, or tremolite asbestos. SEM/TEM is required for definitive identification.

WA DOH

Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*

Weighted Average

Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (%_{WA}).

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Hiren Patel Senior Analyst-Asbestos

Authorised by:

Zoe Burke Senior Analyst-Asbestos



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

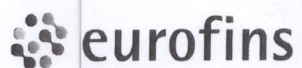
* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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#1348826 20/4/26

eurofins				CHAIN OF CUSTODY RECORD Eurofins Environment Testing ABN 50 005 085 521				☐ Sydney Laboratory 179 Magowar Road Girraween NSW 2066 12 9902 8402 Email: Sydney@eurofins.com.au				☐ Brisbane Laboratory Unit 1 21 Smallwood Place Murarie QLD 4172 17 3902 4800 Email: Brisbane@eurofins.com.au				☐ Perth Laboratory (ABN 911 050 159 898) 46-48 Banksia Road Welshpool WA 6106 18 1351 4444 Email: Perth@eurofins.com.au				☐ Melbourne Laboratory 6 Monterey Road Dandenong South VIC 3175 13 8544 5000 Email: Melbourne@eurofins.com.au				☐ Newcastle Laboratory 1/2 Frost Drive, Mayfield West, NSW 13 8388 4400 Email: Newcastle@eurofins.com.au			
Company: Fyfe Earth Partners Pty Ltd SA				Project No: 82257-1				Project Manager: Natasha Vella				Sampler(s): CAB															
Address: Level 1, 124 South Tce, Adelaide, South Australia 5000				Project Name: Hygge Unley Road				EDD Format: 2017-01-01				Facility Code: 				Handed over by: CAB											
Contact Name: Natasha Vella				Analyses What we have tested for is listed below. If you require additional analyses, please specify in the 'Other TAT Requirements' section. B14 - OCP/OPP M8 - Metals M8 R7 - SA Waste Screen Asbestos Absence / Presence B1 - TRH, BTEXN B7 - TRH/BTEXN/PAH/Metals 8 PFAS - 28 Analyses NEPM HIL Screen R21 - NEPM/EILs (Soil Class Screen) Hold 50mL Plastic 60mL Plastic 60mL Plastic - Metals - Unfiltered 60mL Plastic - Metals - Field Filtered 200mL Amber Glass 40mL VOA Vial Jar (Glass or HDPE) Other (AS4564 WA Guidelines - please specify)				Email for Invoice: 				Email for Results: natasha.vella@fyfe.com.au															
Phone No: 0421 439 887								Containers: 				Required Turnaround Time (TAT): 2-3 Days															
Special Directions: 								Confirm TAT (Required): 				*Surcharge applies															
Unique Identifier: F68f1af95ebf69								Other TAT Requirements: 				Sample Comments / Dangerous Goods / Hazard Warning: 															
Purchase Order: 																											
Quote ID No: 230622FYFS																											
No.				Client Sample ID				Sampled Date/Time				Matrix															
1				BH07_0.0-0.4				17/04/26				Soil															
2				BH07_0.9-1.0				17/04/26				Soil															
3				BH07_1.4-1.5				17/04/26				Soil															
4				BH07_1.9-2.0				17/04/26				Soil															
5				BH07_2.9-3.0				17/04/26				Soil															
6				BH07_3.9-4.0				17/04/26				Soil															
7				BH07_4.9-5.0				17/04/26				Soil															
8				BH07_5.9-6.0				17/04/26				Soil															
9				BH07_6.9-7.0				17/04/26				Soil															
10				BH07_7.9-8.0				17/04/26				Soil															
11				BH07_8.9-9.0				17/04/26				Soil															
12																											
13				QC5				17/04/26				Soil															
14				QC6				17/04/26				Soil															
15				QC7				17/04/26				Soil															
16				QC8				17/04/26				Soil															
17																											
18				RN2				17/04/26				Water															
19				TB2				17/04/26				Water															
20																											
>20																											



Environment Testing

PROJECT INFORMATION

Date & Time Received: 17/04/26

Company: FYFE

Contact Details: Chloe . B .

Project Name/site: _____

Project Number: 82257-1

Sample IDs: _____

Sampling Date/s: _____

COC:

Attached ☐

E-mailed ☐

Not received ☐

Courier ☐

Temperature:

Attempt to chill: Y / N

Custody Seal: _____

Number of Eskies:

18.3°C
+ 0.1°C

18.4°C
on ice

Last modified on: 30 January 2025	Approved on: 30 January 2025	Version: QS1039_R3
Last modified by: N. Richardson	Approved by: M. Makarios	Page 1 of 1
Editorial Committee: N. Richardson, V. Heredia, T. Lakeland, M. Makarios, F. Sanjaya		Next required review date: 30 January 2029

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

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Sample Receipt Advice

Company name: Fyfe Earth Partners Pty Ltd SA
Contact name: Natasha Vella
Project name: Hygge Unley Road
Project ID: 82257-1
Turnaround time: 5 Day
Date/Time received: Apr 20, 2026 5:37 PM
Eurofins reference: 1348826

Sample Information

- ✓ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ✓ All samples have been received as described on the above COC.
- ✓ COC has been completed correctly.
- ✓ Attempt to chill was evident.
- ✓ Appropriately preserved sample containers have been used.
- ✓ All samples were received in good condition.
- ✓ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ✓ Appropriate sample containers have been used.
- ✓ Sample containers for volatile analysis received with zero headspace.
- ✓ Split sample sent to requested external lab.
- ✗ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Notes

Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Natasha Vella - Natasha.Vella@fyfe.com.au.

Note: A copy of these results will also be delivered to the general Fyfe Earth Partners Pty Ltd SA email address.



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Project ID: 82257-1

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Report #: 1348826
Phone: 08 8201 9600
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Received: Apr 20, 2026 5:37 PM
Due: Apr 28, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	HOLD*	Split - External Lab*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X		X	X	X	X	X	X	X	X
15	BH07_5.9-6.0	Apr 17, 2026		Soil	M26-Ap0053092		X									
16	BH07_6.9-7.0	Apr 17, 2026		Soil	M26-Ap0053093		X									
17	BH07_8.9-9.0	Apr 17, 2026		Soil	M26-Ap0053094		X									
Test Counts						1	8	2	2	2	5	2	2	1	2	1

Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

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 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Natasha Vella**

Report **1348826-S**
Project name **Hygge Unley Road**
Project ID **82257-1**
Received Date **Apr 20, 2026**

Client Sample ID			BH07_0.0-0.4	BH07_2.9-3.0	BH07_7.9-8.0	QC5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0053080	M26- Ap0053081	M26- Ap0053082	M26- Ap0053083
Date Sampled			Apr 17, 2026	Apr 17, 2026	Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	20	mg/kg	< 20	< 20	-	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	-	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	-	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	-	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	-	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	-	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20	-	< 20
TRH >C10-C16	50	mg/kg	< 50	< 50	-	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50	< 50	-	< 50
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
TRH >C16-C34	100	mg/kg	< 100	< 100	-	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	-	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	-	< 100
BTEX						
Benzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	-	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	-	< 0.3
4-Bromofluorobenzene (surr.)	1	%	110	72	-	109
Polycyclic Aromatic Hydrocarbons						
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	-	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	-	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(b,j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5

Client Sample ID			BH07_0.0-0.4	BH07_2.9-3.0	BH07_7.9-8.0	QC5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0053080	M26- Ap0053081	M26- Ap0053082	M26- Ap0053083
Date Sampled			Apr 17, 2026	Apr 17, 2026	Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit				
Polycyclic Aromatic Hydrocarbons						
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
2-Fluorobiphenyl (surr.)	1	%	73	107	-	89
p-Terphenyl-d14 (surr.)	1	%	127	110	-	83
Organochlorine Pesticides						
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
4.4'-DDD	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
4.4'-DDE	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
4.4'-DDT	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
α-HCH	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
β-HCH	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
δ-HCH	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
γ-HCH (Lindane)	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Toxaphene	0.5	mg/kg	< 0.5	< 0.5	-	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	-	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1	< 0.1	-	< 0.1
Dibutylchlorodate (surr.)	1	%	91	64	-	50
Tetrachloro-m-xylene (surr.)	1	%	100	73	-	76
Organophosphorus Pesticides						
Azinphos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Bolstar	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	-	-	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Coumaphos	2	mg/kg	< 2	-	-	< 2
Demeton-S	0.2	mg/kg	< 0.2	-	-	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	-	-	< 0.2
Diazinon	0.2	mg/kg	< 0.2	-	-	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	-	-	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	-	-	< 0.2

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Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0053080	M26- Ap0053081	M26- Ap0053082	M26- Ap0053083
Date Sampled			Apr 17, 2026	Apr 17, 2026	Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit				
Organophosphorus Pesticides						
Disulfoton	0.2	mg/kg	< 0.2	-	-	< 0.2
EPN	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethion	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethoprop	0.2	mg/kg	< 0.2	-	-	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	-	-	< 0.2
Fenthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Malathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Merphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	-	-	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Monocrotophos	2	mg/kg	< 2	-	-	< 2
Naled	0.2	mg/kg	< 0.2	-	-	< 0.2
Omethoate	2	mg/kg	< 2	-	-	< 2
Phorate	0.2	mg/kg	< 0.2	-	-	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	-	-	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	-	-	< 0.2
Ronnel	0.2	mg/kg	< 0.2	-	-	< 0.2
Terbufos	0.2	mg/kg	< 0.2	-	-	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	-	-	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	-	-	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	-	-	< 0.2
Triphenylphosphate (surr.)	1	%	72	-	-	68
Heavy Metals						
Arsenic	2	mg/kg	2.2	4.5	6.7	2.2
Barium	10	mg/kg	-	190	-	-
Beryllium	2	mg/kg	-	< 2	-	-
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	< 5	59	36	< 5
Cobalt	5	mg/kg	-	14	-	-
Copper	5	mg/kg	< 5	18	19	< 5
Iron	20	mg/kg	-	38000	-	-
Lead	5	mg/kg	< 5	23	18	5.5
Manganese	5	mg/kg	-	280	-	-
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	28	15	< 5
Silver	2	mg/kg	-	< 2	-	-
Zinc	5	mg/kg	11	45	41	12
Sample Properties						
% Moisture	1	%	4.4	16	19	8.3
Volatile Organics						
Tetrachloroethene	0.5	mg/kg	-	< 0.5	-	-
Polychlorinated Biphenyls						
Aroclor-1016	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1221	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1232	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1242	0.1	mg/kg	-	< 0.1	-	-

Client Sample ID			BH07_0.0-0.4	BH07_2.9-3.0	BH07_7.9-8.0	QC5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0053080	M26- Ap0053081	M26- Ap0053082	M26- Ap0053083
Date Sampled			Apr 17, 2026	Apr 17, 2026	Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit				
Polychlorinated Biphenyls						
Aroclor-1248	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1254	0.1	mg/kg	-	< 0.1	-	-
Aroclor-1260	0.1	mg/kg	-	< 0.1	-	-
Total PCB*	0.1	mg/kg	-	< 0.1	-	-
Dibutylchloredate (surr.)	1	%	-	64	-	-
Tetrachloro-m-xylene (surr.)	1	%	-	73	-	-
Phenols (Halogenated)						
2-Chlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
2,4,5-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,4,6-Trichlorophenol	1	mg/kg	-	< 1	-	-
2,6-Dichlorophenol	0.5	mg/kg	-	< 0.5	-	-
4-Chloro-3-methylphenol	1	mg/kg	-	< 1	-	-
Pentachlorophenol	1	mg/kg	-	< 1	-	-
Tetrachlorophenols - Total	10	mg/kg	-	< 10	-	-
Total Halogenated Phenol*	1	mg/kg	-	< 1	-	-
Phenols (non-Halogenated)						
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	-	< 20	-	-
2-Methyl-4,6-dinitrophenol	5	mg/kg	-	< 5	-	-
2-Nitrophenol	1.0	mg/kg	-	< 1	-	-
2,4-Dimethylphenol	0.5	mg/kg	-	< 0.5	-	-
2,4-Dinitrophenol	5	mg/kg	-	< 5	-	-
2-Methylphenol (o-Cresol)	0.2	mg/kg	-	< 0.2	-	-
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	-	< 0.4	-	-
Total cresols*	0.5	mg/kg	-	< 0.5	-	-
4-Nitrophenol	5	mg/kg	-	< 5	-	-
Dinoseb	20	mg/kg	-	< 20	-	-
Phenol	0.5	mg/kg	-	< 0.5	-	-
Phenol-d6 (surr.)	1	%	-	106	-	-
Total Non-Halogenated Phenol*	20	mg/kg	-	< 20	-	-
Chromium (hexavalent)	1	mg/kg	-	< 1	-	-
Chromium (trivalent)	5	mg/kg	-	59	-	-
Cyanide (total)	5	mg/kg	-	< 5	-	-
PFASs Summations						
Sum (PFHxS + PFOS)*	0.1	ug/kg	-	< 0.1	-	-
Sum of PFASs (n=30)*	0.5	ug/kg	-	< 0.5	-	-
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	-	< 0.5	-	-
Perfluoroalkyl sulfonamido substances- Trace						
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-

Client Sample ID			BH07_0.0-0.4	BH07_2.9-3.0	BH07_7.9-8.0	QC5
Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0053080	M26- Ap0053081	M26- Ap0053082	M26- Ap0053083
Date Sampled			Apr 17, 2026	Apr 17, 2026	Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit				
Perfluoroalkyl sulfonamido substances- Trace						
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
13C8-FOSA (surr.)	1	%	-	92	-	-
D3-N-MeFOSA (surr.)	1	%	-	124	-	-
D5-N-EtFOSA (surr.)	1	%	-	103	-	-
D7-N-MeFOSE (surr.)	1	%	-	^J 38	-	-
D9-N-EtFOSE (surr.)	1	%	-	^{N09} 24	-	-
D5-N-EtFOSAA (surr.)	1	%	-	^J 19	-	-
D3-N-MeFOSAA (surr.)	1	%	-	^J 28	-	-
Perfluoroalkyl carboxylic acids (PFCAs) - Trace						
Perfluorobutanoic acid (PFBA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
Perfluoropentanoic acid (PFPeA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorohexanoic acid (PFHxA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorooctanoic acid (PFOA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorononanoic acid (PFNA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorodecanoic acid (PFDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorotridecanoic acid (PFTeDA) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
13C4-PFBA (surr.)	1	%	-	98	-	-
13C5-PFPeA (surr.)	1	%	-	93	-	-
13C5-PFHxA (surr.)	1	%	-	103	-	-
13C4-PFHpA (surr.)	1	%	-	95	-	-
13C8-PFOA (surr.)	1	%	-	89	-	-
13C5-PFNA (surr.)	1	%	-	65	-	-
13C6-PFDA (surr.)	1	%	-	53	-	-
13C2-PFUnDA (surr.)	1	%	-	^J 46	-	-
13C2-PFDoDA (surr.)	1	%	-	^J 30	-	-
13C2-PFTeDA (surr.)	1	%	-	^J 37	-	-
Perfluoroalkyl sulfonic acids (PFSA)- Trace						
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.1	ug/kg	-	0.3	-	-
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.1	ug/kg	-	^{N09} < 0.1	-	-
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.1	ug/kg	-	< 0.1	-	-
13C3-PFBS (surr.)	1	%	-	97	-	-
18O2-PFHxS (surr.)	1	%	-	94	-	-
13C8-PFOS (surr.)	1	%	-	94	-	-

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Sample Matrix			Soil	Soil	Soil	Soil
Eurofins Sample No.			M26- Ap0053080	M26- Ap0053081	M26- Ap0053082	M26- Ap0053083
Date Sampled			Apr 17, 2026	Apr 17, 2026	Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit				
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace						
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.5	ug/kg	-	< 0.5	-	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.1	ug/kg	-	< 0.1	-	-
13C2-4:2 FTSA (surr.)	1	%	-	90	-	-
13C2-6:2 FTSA (surr.)	1	%	-	72	-	-
13C2-8:2 FTSA (surr.)	1	%	-	54	-	-
13C2-10:2 FTSA (surr.)	1	%	-	¹ 37	-	-

Client Sample ID			QC7
Sample Matrix			Soil
Eurofins Sample No.			M26- Ap0053084
Date Sampled			Apr 17, 2026
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons			
TRH C6-C9	20	mg/kg	< 20
TRH C10-C14	20	mg/kg	< 20
TRH C15-C28	50	mg/kg	< 50
TRH C29-C36	50	mg/kg	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50
TRH C6-C10	20	mg/kg	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20
TRH >C10-C16	50	mg/kg	< 50
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	50	mg/kg	< 50
Naphthalene ^{N02}	0.5	mg/kg	< 0.5
TRH >C16-C34	100	mg/kg	< 100
TRH >C34-C40	100	mg/kg	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100
BTEX			
Benzene	0.1	mg/kg	< 0.1
Toluene	0.1	mg/kg	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2
o-Xylene	0.1	mg/kg	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3
4-Bromofluorobenzene (surr.)	1	%	80
Polycyclic Aromatic Hydrocarbons			
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2
Acenaphthene	0.5	mg/kg	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5
Anthracene	0.5	mg/kg	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5

Client Sample ID			QC7
Sample Matrix			Soil
Eurofins Sample No.			M26- Ap0053084
Date Sampled			Apr 17, 2026
Test/Reference	LOR	Unit	
Polycyclic Aromatic Hydrocarbons			
Benzo(a)pyrene	0.5	mg/kg	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5
Chrysene	0.5	mg/kg	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5
Fluorene	0.5	mg/kg	< 0.5
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	< 0.5
Naphthalene	0.5	mg/kg	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5
Pyrene	0.5	mg/kg	< 0.5
Total PAH*	0.5	mg/kg	< 0.5
2-Fluorobiphenyl (surr.)	1	%	84
p-Terphenyl-d14 (surr.)	1	%	129
Organochlorine Pesticides			
Chlordanes - Total	0.1	mg/kg	< 0.1
4,4'-DDD	0.05	mg/kg	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05
α-HCH	0.05	mg/kg	< 0.05
Aldrin	0.05	mg/kg	< 0.05
β-HCH	0.05	mg/kg	< 0.05
δ-HCH	0.05	mg/kg	< 0.05
Dieldrin	0.05	mg/kg	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05
Endrin	0.05	mg/kg	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05
γ-HCH (Lindane)	0.05	mg/kg	< 0.05
Heptachlor	0.05	mg/kg	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05
Methoxychlor	0.05	mg/kg	< 0.05
Toxaphene	0.5	mg/kg	< 0.5
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.1
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.1
Dibutylchloroendate (surr.)	1	%	94
Tetrachloro-m-xylene (surr.)	1	%	134
Heavy Metals			
Arsenic	2	mg/kg	3.6
Barium	10	mg/kg	58
Beryllium	2	mg/kg	< 2
Cadmium	0.4	mg/kg	< 0.4
Chromium	5	mg/kg	40

Client Sample ID			QC7
Sample Matrix			Soil
Eurofins Sample No.			M26-Ap0053084
Date Sampled			Apr 17, 2026
Test/Reference	LOR	Unit	
Heavy Metals			
Cobalt	5	mg/kg	8.5
Copper	5	mg/kg	13
Iron	20	mg/kg	29000
Lead	5	mg/kg	17
Manganese	5	mg/kg	170
Mercury	0.1	mg/kg	< 0.1
Nickel	5	mg/kg	19
Silver	2	mg/kg	< 2
Zinc	5	mg/kg	33
Sample Properties			
% Moisture	1	%	16
Volatile Organics			
Tetrachloroethene	0.5	mg/kg	< 0.5
Polychlorinated Biphenyls			
Aroclor-1016	0.1	mg/kg	< 0.1
Aroclor-1221	0.1	mg/kg	< 0.1
Aroclor-1232	0.1	mg/kg	< 0.1
Aroclor-1242	0.1	mg/kg	< 0.1
Aroclor-1248	0.1	mg/kg	< 0.1
Aroclor-1254	0.1	mg/kg	< 0.1
Aroclor-1260	0.1	mg/kg	< 0.1
Total PCB*	0.1	mg/kg	< 0.1
Dibutylchloroendate (surr.)	1	%	94
Tetrachloro-m-xylene (surr.)	1	%	134
Phenols (Halogenated)			
2-Chlorophenol	0.5	mg/kg	< 0.5
2,4-Dichlorophenol	0.5	mg/kg	< 0.5
2,4,5-Trichlorophenol	1	mg/kg	< 1
2,4,6-Trichlorophenol	1	mg/kg	< 1
2,6-Dichlorophenol	0.5	mg/kg	< 0.5
4-Chloro-3-methylphenol	1	mg/kg	< 1
Pentachlorophenol	1	mg/kg	< 1
Tetrachlorophenols - Total	10	mg/kg	< 10
Total Halogenated Phenol*	1	mg/kg	< 1
Phenols (non-Halogenated)			
2-Cyclohexyl-4,6-dinitrophenol	20	mg/kg	< 20
2-Methyl-4,6-dinitrophenol	5	mg/kg	< 5
2-Nitrophenol	1.0	mg/kg	< 1
2,4-Dimethylphenol	0.5	mg/kg	< 0.5
2,4-Dinitrophenol	5	mg/kg	< 5
2-Methylphenol (o-Cresol)	0.2	mg/kg	< 0.2
3&4-Methylphenol (m&p-Cresol)	0.4	mg/kg	< 0.4
Total cresols*	0.5	mg/kg	< 0.5
4-Nitrophenol	5	mg/kg	< 5
Dinoseb	20	mg/kg	< 20
Phenol	0.5	mg/kg	< 0.5
Phenol-d6 (surr.)	1	%	126
Total Non-Halogenated Phenol*	20	mg/kg	< 20

Client Sample ID			QC7
Sample Matrix			Soil
Eurofins Sample No.			M26- Ap0053084
Date Sampled			Apr 17, 2026
Test/Reference	LOR	Unit	
Chromium (hexavalent)	1	mg/kg	< 1
Chromium (trivalent)	5	mg/kg	40
Cyanide (total)	5	mg/kg	< 5
PFASs Summations			
Sum (PFHxS + PFOS)*	0.1	ug/kg	0.1
Sum of PFASs (n=30)*	0.5	ug/kg	< 0.5
Sum of WA DWER PFAS (n=10)*	0.5	ug/kg	< 0.5
Perfluoroalkyl sulfonamido substances- Trace			
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.5	ug/kg	< 0.5
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.5	ug/kg	< 0.5
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.5	ug/kg	< 0.5
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.5	ug/kg	< 0.5
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.5	ug/kg	< 0.5
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.5	ug/kg	< 0.5
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.5	ug/kg	< 0.5
13C8-FOSA (surr.)	1	%	86
D3-N-MeFOSA (surr.)	1	%	93
D5-N-EtFOSA (surr.)	1	%	76
D7-N-MeFOSE (surr.)	1	%	J-25
D9-N-EtFOSE (surr.)	1	%	N09-15
D5-N-EtFOSAA (surr.)	1	%	J-16
D3-N-MeFOSAA (surr.)	1	%	J-26
Perfluoroalkyl carboxylic acids (PFCAs) - Trace			
Perfluorobutanoic acid (PFBA) ^{N11}	0.5	ug/kg	< 0.5
Perfluoropentanoic acid (PFPeA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorohexanoic acid (PFHxA) ^{N11}	0.1	ug/kg	< 0.1
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorooctanoic acid (PFOA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorononanoic acid (PFNA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorodecanoic acid (PFDA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorotridecanoic acid (PFTTrDA) ^{N15}	0.1	ug/kg	< 0.1
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.1	ug/kg	< 0.1
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.1	ug/kg	< 0.1
13C4-PFBA (surr.)	1	%	90
13C5-PFPeA (surr.)	1	%	88
13C5-PFHxA (surr.)	1	%	99
13C4-PFHpA (surr.)	1	%	88
13C8-PFOA (surr.)	1	%	89
13C5-PFNA (surr.)	1	%	73
13C6-PFDA (surr.)	1	%	51
13C2-PFUnDA (surr.)	1	%	51
13C2-PFDoDA (surr.)	1	%	J-39
13C2-PFTeDA (surr.)	1	%	69

Client Sample ID			QC7
Sample Matrix			Soil
Eurofins Sample No.			M26- Ap0053084
Date Sampled			Apr 17, 2026
Test/Reference	LOR	Unit	
Perfluoroalkyl sulfonic acids (PFASs)- Trace			
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.1	ug/kg	0.2
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.1	ug/kg	< 0.1
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.1	ug/kg	< 0.1
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.1	ug/kg	< 0.1
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.1	ug/kg	< 0.1
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.1	ug/kg	< 0.1
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.1	ug/kg	^{N09} 0.1
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.1	ug/kg	< 0.1
13C3-PFBS (surr.)	1	%	91
18O2-PFHxS (surr.)	1	%	95
13C8-PFOS (surr.)	1	%	88
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.1	ug/kg	< 0.1
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.5	ug/kg	< 0.5
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.1	ug/kg	< 0.1
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.1	ug/kg	< 0.1
13C2-4:2 FTSA (surr.)	1	%	95
13C2-6:2 FTSA (surr.)	1	%	66
13C2-8:2 FTSA (surr.)	1	%	56
13C2-10:2 FTSA (surr.)	1	%	^J 39

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 21, 2026	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 21, 2026	14 Days
BTEX - Method: LTM-ORG-2010 BTEX and Volatile TRH	Melbourne	Apr 21, 2026	14 Days
Eurofins Suite B7			
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 21, 2026	14 Days
Polycyclic Aromatic Hydrocarbons - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Apr 21, 2026	14 Days
Metals M8 - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Melbourne	Apr 21, 2026	28 Days
SA Waste Screen			
Organochlorine Pesticides - Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)	Melbourne	Apr 21, 2026	14 Days
SA Waste Metals : Metals M14SA - Method: LTM-MET-3030 by ICP-OES (hydride ICP-OES for Mercury)	Melbourne	Apr 21, 2026	28 Days
Volatile Organics - Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)	Melbourne	Apr 21, 2026	7 Days
Polychlorinated Biphenyls - Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8082)	Melbourne	Apr 21, 2026	28 Days
Phenols (Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Apr 21, 2026	14 Days
Phenols (non-Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Apr 21, 2026	14 Days
Chromium (hexavalent) - Method: LTM-INO-4230 Hexavalent Chromium by UV-Vis	Melbourne	Apr 21, 2026	28 Days
Cyanide (total) - Method: LTM-INO-4020 Total Free WAD Cyanide by CFA	Melbourne	Apr 21, 2026	14 Days
Suite B14: OCP/OPP			
Organophosphorus Pesticides - Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)	Melbourne	Apr 21, 2026	14 Days
% Moisture - Method: LTM-GEN-7080 Moisture	Melbourne	Apr 20, 2026	14 Days
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl sulfonamido substances- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Apr 21, 2026	90 Days
Perfluoroalkyl carboxylic acids (PFCAs) - Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Apr 21, 2026	90 Days
Perfluoroalkyl sulfonic acids (PFSAs)- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Apr 21, 2026	90 Days
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)- Trace - Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS) - low level	Melbourne	Apr 21, 2026	90 Days

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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-1

Order No.:
Report #: 1348826
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 20, 2026 5:37 PM
Due: Apr 28, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	HOLD*	Split - External Lab*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X		X	X	X	X	X	X	X	X
External Laboratory								X								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID											
1	QC6	Apr 17, 2026		Soil	M26-Ap0053078			X								
2	QC8	Apr 17, 2026		Soil	M26-Ap0053079			X								
3	BH07 0.0-0.4	Apr 17, 2026		Soil	M26-Ap0053080	X				X	X		X			
4	BH07 2.9-3.0	Apr 17, 2026		Soil	M26-Ap0053081						X	X			X	
5	BH07 7.9-8.0	Apr 17, 2026		Soil	M26-Ap0053082				X		X					
6	QC5	Apr 17, 2026		Soil	M26-Ap0053083					X	X		X			
7	QC7	Apr 17, 2026		Soil	M26-Ap0053084						X	X			X	
8	RN2	Apr 17, 2026		Water	M26-Ap0053085				X							X
9	TB2	Apr 17, 2026		Water	M26-Ap0053086									X		
10	BH07 0.9-1.0	Apr 17, 2026		Soil	M26-Ap0053087		X									
11	BH07 1.4-1.5	Apr 17, 2026		Soil	M26-Ap0053088		X									
12	BH07 1.9-2.0	Apr 17, 2026		Soil	M26-Ap0053089		X									
13	BH07 3.9-4.0	Apr 17, 2026		Soil	M26-Ap0053090		X									
14	BH07 4.9-5.0	Apr 17, 2026		Soil	M26-Ap0053091		X									

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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
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SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-1

Order No.:
Report #: 1348826
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 20, 2026 5:37 PM
Due: Apr 28, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	HOLD*	Split - External Lab*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X		X	X	X	X	X	X	X	X
15	BH07_5.9-6.0	Apr 17, 2026		Soil	M26-Ap0053092		X									
16	BH07_6.9-7.0	Apr 17, 2026		Soil	M26-Ap0053093		X									
17	BH07_8.9-9.0	Apr 17, 2026		Soil	M26-Ap0053094		X									
Test Counts						1	8	2	2	2	5	2	2	1	2	1

Internal Quality Control Review and Glossary

General

- Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
- Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
- Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
- For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
- Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
- SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
- This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

- Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
- Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
- pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
- For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
- Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/kg	< 20			20	Pass	
TRH C10-C14	mg/kg	< 20			20	Pass	
TRH C15-C28	mg/kg	< 50			50	Pass	
TRH C29-C36	mg/kg	< 50			50	Pass	
TRH C6-C10	mg/kg	< 20			20	Pass	
TRH >C10-C16	mg/kg	< 50			50	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
BTEX							
Benzene	mg/kg	< 0.1			0.1	Pass	
Toluene	mg/kg	< 0.1			0.1	Pass	
Ethylbenzene	mg/kg	< 0.1			0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2			0.2	Pass	
o-Xylene	mg/kg	< 0.1			0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3			0.3	Pass	
Method Blank							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/kg	< 0.5			0.5	Pass	
Acenaphthylene	mg/kg	< 0.5			0.5	Pass	
Anthracene	mg/kg	< 0.5			0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5			0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5			0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5			0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5			0.5	Pass	
Chrysene	mg/kg	< 0.5			0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5			0.5	Pass	
Fluoranthene	mg/kg	< 0.5			0.5	Pass	
Fluorene	mg/kg	< 0.5			0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5			0.5	Pass	
Naphthalene	mg/kg	< 0.5			0.5	Pass	
Phenanthrene	mg/kg	< 0.5			0.5	Pass	
Pyrene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/kg	< 0.1			0.1	Pass	
4,4'-DDD	mg/kg	< 0.05			0.05	Pass	
4,4'-DDE	mg/kg	< 0.05			0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
4,4'-DDT	mg/kg	< 0.05			0.05	Pass	
a-HCH	mg/kg	< 0.05			0.05	Pass	
Aldrin	mg/kg	< 0.05			0.05	Pass	
b-HCH	mg/kg	< 0.05			0.05	Pass	
d-HCH	mg/kg	< 0.05			0.05	Pass	
Dieldrin	mg/kg	< 0.05			0.05	Pass	
Endosulfan I	mg/kg	< 0.05			0.05	Pass	
Endosulfan II	mg/kg	< 0.05			0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05			0.05	Pass	
Endrin	mg/kg	< 0.05			0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05			0.05	Pass	
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-HCH (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.05			0.05	Pass	
Toxaphene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4,6-dinitrophenol	mg/kg	< 5			5	Pass	
2,4-Dinitrophenol	mg/kg	< 5			5	Pass	
2,4,5-Trichlorophenol	mg/kg	< 1			1	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
2-Nitrophenol	mg/kg	< 1			1.0	Pass	
2,4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2,4,6-Trichlorophenol	mg/kg	< 1			1	Pass	
2,6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Heavy Metals							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
Method Blank							
Chromium (hexavalent)	mg/kg	< 1			1	Pass	
Cyanide (total)	mg/kg	< 5			5	Pass	
Method Blank							
Heavy Metals							
Barium	mg/kg	< 10			10	Pass	
Beryllium	mg/kg	< 2			2	Pass	
Cobalt	mg/kg	< 5			5	Pass	
Iron	mg/kg	< 20			20	Pass	
Manganese	mg/kg	< 5			5	Pass	
Silver	mg/kg	< 2			2	Pass	
Method Blank							
Volatile Organics							
Tetrachloroethene	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.1			0.1	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.1			0.1	Pass	
Aroclor-1242	mg/kg	< 0.1			0.1	Pass	
Aroclor-1248	mg/kg	< 0.1			0.1	Pass	
Aroclor-1254	mg/kg	< 0.1			0.1	Pass	
Aroclor-1260	mg/kg	< 0.1			0.1	Pass	
Total PCB*	mg/kg	< 0.1			0.1	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/kg	< 0.5			0.5	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2,4-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
2,4,5-Trichlorophenol	mg/kg	< 1			1	Pass	
2,4,6-Trichlorophenol	mg/kg	< 1			1	Pass	
2,6-Dichlorophenol	mg/kg	< 0.5			0.5	Pass	
4-Chloro-3-methylphenol	mg/kg	< 1			1	Pass	
Pentachlorophenol	mg/kg	< 1			1	Pass	
Tetrachlorophenols - Total	mg/kg	< 10			10	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	mg/kg	< 20			20	Pass	
2-Methyl-4,6-dinitrophenol	mg/kg	< 5			5	Pass	
2-Nitrophenol	mg/kg	< 1			1.0	Pass	
2,4-Dimethylphenol	mg/kg	< 0.5			0.5	Pass	
2,4-Dinitrophenol	mg/kg	< 5			5	Pass	
2-Methylphenol (o-Cresol)	mg/kg	< 0.2			0.2	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/kg	< 0.4			0.4	Pass	
4-Nitrophenol	mg/kg	< 5			5	Pass	
Dinoseb	mg/kg	< 20			20	Pass	
Phenol	mg/kg	< 0.5			0.5	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	ug/kg	< 0.5			0.5	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/kg	< 0.5			0.5	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/kg	< 0.5			0.5	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/kg	< 0.5			0.5	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/kg	< 0.5			0.5	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/kg	< 0.5			0.5	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/kg	< 0.5			0.5	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	ug/kg	< 0.5			0.5	Pass	
Perfluoropentanoic acid (PFPeA)	ug/kg	< 0.1			0.1	Pass	
Perfluorohexanoic acid (PFHxA)	ug/kg	< 0.1			0.1	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/kg	< 0.1			0.1	Pass	
Perfluorooctanoic acid (PFOA)	ug/kg	< 0.1			0.1	Pass	
Perfluorononanoic acid (PFNA)	ug/kg	< 0.1			0.1	Pass	
Perfluorodecanoic acid (PFDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorotridecanoic acid (PFTrDA)	ug/kg	< 0.1			0.1	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/kg	< 0.1			0.1	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/kg	< 0.1			0.1	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSA)s- Trace							
Perfluorobutanesulfonic acid (PFBS)	ug/kg	< 0.1			0.1	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/kg	< 0.1			0.1	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/kg	< 0.1			0.1	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/kg	< 0.1			0.1	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/kg	< 0.1			0.1	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/kg	< 0.1			0.1	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/kg	< 0.1			0.1	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/kg	< 0.1			0.1	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/kg	< 0.1			0.1	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/kg	< 0.5			0.5	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/kg	< 0.1			0.1	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	105			70-130	Pass	
TRH C10-C14	%	110			70-130	Pass	
TRH C6-C10	%	96			70-130	Pass	
TRH >C10-C16	%	116			70-130	Pass	
Naphthalene	%	88			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	98			70-130	Pass	
Toluene	%	110			70-130	Pass	
Ethylbenzene	%	119			70-130	Pass	
m&p-Xylenes	%	121			70-130	Pass	
Xylenes - Total*	%	119			70-130	Pass	
LCS - % Recovery							
Aroclor-1260	%	103			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	113			70-130	Pass	
Acenaphthylene	%	115			70-130	Pass	
Anthracene	%	94			70-130	Pass	
Benz(a)anthracene	%	74			70-130	Pass	
Benzo(a)pyrene	%	97			70-130	Pass	
Benzo(b&j)fluoranthene	%	111			70-130	Pass	
Benzo(g,h,i)perylene	%	96			70-130	Pass	
Benzo(k)fluoranthene	%	97			70-130	Pass	
Chrysene	%	85			70-130	Pass	
Dibenz(a,h)anthracene	%	82			70-130	Pass	
Fluoranthene	%	94			70-130	Pass	
Fluorene	%	87			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	82			70-130	Pass	
Naphthalene	%	103			70-130	Pass	
Phenanthrene	%	91			70-130	Pass	
Pyrene	%	108			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	85			70-130	Pass	
4,4'-DDD	%	92			70-130	Pass	
4,4'-DDE	%	101			70-130	Pass	
4,4'-DDT	%	129			70-130	Pass	
a-HCH	%	108			70-130	Pass	
Aldrin	%	112			70-130	Pass	
b-HCH	%	106			70-130	Pass	
d-HCH	%	98			70-130	Pass	
Dieldrin	%	97			70-130	Pass	
Endosulfan I	%	115			70-130	Pass	
Endosulfan II	%	102			70-130	Pass	
Endosulfan sulphate	%	82			70-130	Pass	
Endrin	%	86			70-130	Pass	
Endrin aldehyde	%	85			70-130	Pass	
Endrin ketone	%	121			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
g-HCH (Lindane)	%	99			70-130	Pass	
Heptachlor	%	73			70-130	Pass	
Heptachlor epoxide	%	86			70-130	Pass	
Hexachlorobenzene	%	101			70-130	Pass	
Methoxychlor	%	96			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	94			70-130	Pass	
Dimethoate	%	71			70-130	Pass	
Ethion	%	97			70-130	Pass	
Fenitrothion	%	84			70-130	Pass	
Methyl parathion	%	86			70-130	Pass	
Mevinphos	%	90			70-130	Pass	
LCS - % Recovery							
2,4,5-Trichlorophenol	%	80			25-140	Pass	
4-Nitrophenol	%	65			25-140	Pass	
2-Chlorophenol	%	89			25-140	Pass	
2-Methylphenol (o-Cresol)	%	118			25-140	Pass	
2-Nitrophenol	%	94			25-140	Pass	
2,4-Dichlorophenol	%	84			25-140	Pass	
2,4-Dimethylphenol	%	112			25-140	Pass	
2,4,6-Trichlorophenol	%	95			25-140	Pass	
2,6-Dichlorophenol	%	102			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	121			25-140	Pass	
4-Chloro-3-methylphenol	%	106			25-140	Pass	
Pentachlorophenol	%	56			25-140	Pass	
Phenol	%	113			25-140	Pass	
LCS - % Recovery							
Heavy Metals							
Arsenic	%	103			80-120	Pass	
Cadmium	%	103			80-120	Pass	
Chromium	%	108			80-120	Pass	
Copper	%	102			80-120	Pass	
Lead	%	104			80-120	Pass	
Mercury	%	95			80-120	Pass	
Nickel	%	97			80-120	Pass	
Zinc	%	101			80-120	Pass	
LCS - % Recovery							
Chromium (hexavalent)	%	75			70-130	Pass	
Cyanide (total)	%	130			70-130	Pass	
LCS - % Recovery							
Heavy Metals							
Barium	%	91			80-120	Pass	
Beryllium	%	118			80-120	Pass	
Cobalt	%	116			80-120	Pass	
Iron	%	106			80-120	Pass	
Manganese	%	119			80-120	Pass	
Silver	%	108			80-120	Pass	
LCS - % Recovery							
Polychlorinated Biphenyls							
Aroclor-1260	%	81			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	85			25-140	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2,4-Dichlorophenol	%	79			25-140	Pass	
2,4,5-Trichlorophenol	%	76			25-140	Pass	
2,4,6-Trichlorophenol	%	76			25-140	Pass	
2,6-Dichlorophenol	%	73			25-140	Pass	
4-Chloro-3-methylphenol	%	87			25-140	Pass	
Pentachlorophenol	%	48			25-140	Pass	
Tetrachlorophenols - Total	%	95			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	%	51			25-140	Pass	
2-Methyl-4,6-dinitrophenol	%	36			25-140	Pass	
2-Nitrophenol	%	70			25-140	Pass	
2,4-Dimethylphenol	%	110			25-140	Pass	
2,4-Dinitrophenol	%	59			25-140	Pass	
2-Methylphenol (o-Cresol)	%	73			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	86			25-140	Pass	
4-Nitrophenol	%	59			25-140	Pass	
Dinoseb	%	40			25-140	Pass	
Phenol	%	87			25-140	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonamido substances- Trace							
Perfluorooctane sulfonamide (FOSA)	%	94			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	%	101			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	%	104			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	%	105			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	%	103			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	%	104			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	%	107			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl carboxylic acids (PFCAs) - Trace							
Perfluorobutanoic acid (PFBA)	%	98			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	%	92			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	%	98			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	%	100			50-150	Pass	
Perfluorooctanoic acid (PFOA)	%	116			50-150	Pass	
Perfluorononanoic acid (PFNA)	%	102			50-150	Pass	
Perfluorodecanoic acid (PFDA)	%	106			50-150	Pass	
Perfluorotridecanoic acid (PFTTrDA)	%	91			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	%	111			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	%	110			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	%	56			50-150	Pass	
LCS - % Recovery							
Perfluoroalkyl sulfonic acids (PFSA)s- Trace							
Perfluorobutanesulfonic acid (PFBS)	%	95			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	%	104			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	%	98			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	%	90			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	%	86			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	%	102			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	%	92			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	%	87			50-150	Pass	
LCS - % Recovery							
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)s- Trace							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	%	88			50-150	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)			%	91			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)			%	89			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)			%	92			50-150	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M26-Ap0039003	NCP	%	75			70-130	Pass	
TRH C6-C10	M26-Ap0039003	NCP	%	85			70-130	Pass	
Naphthalene	M26-Ap0039003	NCP	%	72			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M26-Ap0039003	NCP	%	86			70-130	Pass	
Toluene	M26-Ap0039003	NCP	%	86			70-130	Pass	
Ethylbenzene	M26-Ap0039003	NCP	%	87			70-130	Pass	
m&p-Xylenes	M26-Ap0039003	NCP	%	88			70-130	Pass	
o-Xylene	M26-Ap0039003	NCP	%	90			70-130	Pass	
Xylenes - Total*	M26-Ap0039003	NCP	%	89			70-130	Pass	
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M26-Ap0039330	NCP	%	157			75-125	Fail	Q08
Cadmium	M26-Ap0039330	NCP	%	130			75-125	Fail	Q08
Chromium	M26-Ap0039330	NCP	%	124			75-125	Pass	
Copper	M26-Ap0039330	NCP	%	109			75-125	Pass	
Lead	M26-Ap0039330	NCP	%	110			75-125	Pass	
Mercury	M26-Ap0039330	NCP	%	113			75-125	Pass	
Nickel	M26-Ap0039330	NCP	%	109			75-125	Pass	
Zinc	M26-Ap0039330	NCP	%	108			75-125	Pass	
Spike - % Recovery									
				Result 1					
Chromium (hexavalent)	M26-Ap0053081	CP	%	72			70-130	Pass	
Cyanide (total)	M26-Ap0057090	NCP	%	0.0000000			70-130	Fail	
Spike - % Recovery									
Heavy Metals				Result 1					
Barium	M26-Ap0054768	NCP	%	80			75-125	Pass	
Beryllium	M26-Ap0054768	NCP	%	86			75-125	Pass	
Cobalt	M26-Ap0054768	NCP	%	82			75-125	Pass	
Manganese	M26-Ap0054768	NCP	%	82			75-125	Pass	
Silver	M26-Ap0054768	NCP	%	82			75-125	Pass	
Spike - % Recovery									
Polychlorinated Biphenyls				Result 1					
Aroclor-1016	M26-Ap0052927	NCP	%	109			70-130	Pass	
Aroclor-1260	M26-Ap0052927	NCP	%	89			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	M26-Ap0052927	NCP	%	93			30-130	Pass	
2,4-Dichlorophenol	M26-Ap0052927	NCP	%	85			30-130	Pass	
2,4,5-Trichlorophenol	M26-Ap0052927	NCP	%	61			30-130	Pass	
2,4,6-Trichlorophenol	M26-Ap0052927	NCP	%	81			30-130	Pass	
2,6-Dichlorophenol	M26-Ap0052927	NCP	%	72			30-130	Pass	
4-Chloro-3-methylphenol	M26-Ap0052927	NCP	%	91			30-130	Pass	
Pentachlorophenol	M26-Ap0052927	NCP	%	46			30-130	Pass	
Tetrachlorophenols - Total	M26-Ap0052927	NCP	%	94			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
2-Cyclohexyl-4,6-dinitrophenol	M26-Ap0039742	NCP	%	112			30-130	Pass	
2-Methyl-4,6-dinitrophenol	M26-Ap0022900	NCP	%	31			30-130	Pass	
2-Nitrophenol	M26-Ap0052927	NCP	%	67			30-130	Pass	
2,4-Dimethylphenol	M26-Ap0052927	NCP	%	106			30-130	Pass	
2,4-Dinitrophenol	M26-Ap0039742	NCP	%	94			30-130	Pass	
2-Methylphenol (o-Cresol)	M26-Ap0052927	NCP	%	84			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M26-Ap0052927	NCP	%	89			30-130	Pass	
4-Nitrophenol	M26-Ap0052927	NCP	%	48			30-130	Pass	
Dinoseb	M26-Ap0052927	NCP	%	42			30-130	Pass	
Phenol	M26-Ap0052927	NCP	%	93			30-130	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances- Trace				Result 1					
Perfluorooctane sulfonamide (FOSA)	M26-Ap0052324	NCP	%	95			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M26-Ap0052324	NCP	%	102			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M26-Ap0052324	NCP	%	90			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M26-Ap0052324	NCP	%	100			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M26-Ap0052324	NCP	%	93			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M26-Ap0052324	NCP	%	116			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M26-Ap0052324	NCP	%	108			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1					
Perfluorobutanoic acid (PFBA)	M26-Ap0052324	NCP	%	112			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	M26-Ap0052324	NCP	%	115			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	M26-Ap0052324	NCP	%	104			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	M26-Ap0052324	NCP	%	98			50-150	Pass	
Perfluorooctanoic acid (PFOA)	M26-Ap0052324	NCP	%	115			50-150	Pass	
Perfluorononanoic acid (PFNA)	M26-Ap0052324	NCP	%	101			50-150	Pass	
Perfluorodecanoic acid (PFDA)	M26-Ap0052324	NCP	%	100			50-150	Pass	
Perfluorotridecanoic acid (PFTrDA)	M26-Ap0052324	NCP	%	113			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	M26-Ap0052324	NCP	%	105			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	M26-Ap0052324	NCP	%	115			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M26-Ap0052324	NCP	%	136			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSA)s- Trace				Result 1					
Perfluorobutanesulfonic acid (PFBS)	M26-Ap0052324	NCP	%	86			50-150	Pass	
Perfluorononanesulfonic acid (PFNS)	M26-Ap0052324	NCP	%	86			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M26-Ap0052324	NCP	%	91			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M26-Ap0052324	NCP	%	117			50-150	Pass	
Perfluorohexanesulfonic acid (PFHxS)	M26-Ap0052324	NCP	%	105			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M26-Ap0052324	NCP	%	90			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)	M26-Ap0052324	NCP	%	129			50-150	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluorodecanesulfonic acid (PFDS)	M26-Ap0052324	NCP	%	75			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M26-Ap0052324	NCP	%	102			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	M26-Ap0052324	NCP	%	94			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M26-Ap0052324	NCP	%	78			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M26-Ap0052324	NCP	%	96			50-150	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C10-C14	M26-Ap0053083	CP	%	96			70-130	Pass	
TRH >C10-C16	M26-Ap0053083	CP	%	104			70-130	Pass	
Spike - % Recovery									
				Result 1					
Aroclor-1016	M26-Ap0053083	CP	%	108			70-130	Pass	
Aroclor-1260	M26-Ap0053083	CP	%	114			70-130	Pass	
Spike - % Recovery									
Polycyclic Aromatic Hydrocarbons				Result 1					
Acenaphthene	M26-Ap0053083	CP	%	98			70-130	Pass	
Acenaphthylene	M26-Ap0053083	CP	%	96			70-130	Pass	
Anthracene	M26-Ap0053083	CP	%	87			70-130	Pass	
Benz(a)anthracene	M26-Ap0053083	CP	%	81			70-130	Pass	
Benzo(a)pyrene	M26-Ap0053083	CP	%	77			70-130	Pass	
Benzo(b&j)fluoranthene	M26-Ap0053083	CP	%	82			70-130	Pass	
Benzo(g,h,i)perylene	M26-Ap0053083	CP	%	99			70-130	Pass	
Benzo(k)fluoranthene	M26-Ap0053083	CP	%	128			70-130	Pass	
Chrysene	M26-Ap0053083	CP	%	83			70-130	Pass	
Dibenz(a,h)anthracene	M26-Ap0053083	CP	%	79			70-130	Pass	
Fluoranthene	M26-Ap0053083	CP	%	99			70-130	Pass	
Fluorene	M26-Ap0053083	CP	%	80			70-130	Pass	
Indeno(1,2,3-cd)pyrene	M26-Ap0053083	CP	%	95			70-130	Pass	
Naphthalene	M26-Ap0053083	CP	%	98			70-130	Pass	
Phenanthrene	M26-Ap0053083	CP	%	80			70-130	Pass	
Pyrene	M26-Ap0053083	CP	%	109			70-130	Pass	
Spike - % Recovery									
Organochlorine Pesticides				Result 1					
Chlordanes - Total	M26-Ap0053083	CP	%	98			70-130	Pass	
4,4'-DDD	M26-Ap0053083	CP	%	123			70-130	Pass	
4,4'-DDE	M26-Ap0053083	CP	%	95			70-130	Pass	
4,4'-DDT	M26-Ap0053083	CP	%	105			70-130	Pass	
a-HCH	M26-Ap0053083	CP	%	90			70-130	Pass	
Aldrin	M26-Ap0053083	CP	%	98			70-130	Pass	
b-HCH	M26-Ap0053083	CP	%	126			70-130	Pass	
d-HCH	M26-Ap0053083	CP	%	118			70-130	Pass	
Dieldrin	M26-Ap0053083	CP	%	85			70-130	Pass	
Endosulfan I	M26-Ap0053083	CP	%	109			70-130	Pass	
Endosulfan II	M26-Ap0053083	CP	%	93			70-130	Pass	
Endosulfan sulphate	M26-Ap0053083	CP	%	92			70-130	Pass	
Endrin	M26-Ap0053083	CP	%	78			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin aldehyde	M26-Ap0053083	CP	%	79			70-130	Pass	
Endrin ketone	M26-Ap0053083	CP	%	117			70-130	Pass	
g-HCH (Lindane)	M26-Ap0053083	CP	%	100			70-130	Pass	
Heptachlor	M26-Ap0053083	CP	%	97			70-130	Pass	
Heptachlor epoxide	M26-Ap0053083	CP	%	88			70-130	Pass	
Hexachlorobenzene	M26-Ap0053083	CP	%	90			70-130	Pass	
Methoxychlor	M26-Ap0053083	CP	%	94			70-130	Pass	
Spike - % Recovery									
Organophosphorus Pesticides				Result 1					
Diazinon	M26-Ap0053083	CP	%	128			70-130	Pass	
Dimethoate	M26-Ap0053083	CP	%	118			70-130	Pass	
Ethion	M26-Ap0053083	CP	%	113			70-130	Pass	
Fenitrothion	M26-Ap0053083	CP	%	82			70-130	Pass	
Methyl parathion	M26-Ap0053083	CP	%	128			70-130	Pass	
Mevinphos	M26-Ap0053083	CP	%	83			70-130	Pass	
Spike - % Recovery									
				Result 1					
2,4,5-Trichlorophenol	M26-Ap0053083	CP	%	52			30-130	Pass	
2-Chlorophenol	M26-Ap0053083	CP	%	101			30-130	Pass	
2-Methylphenol (o-Cresol)	M26-Ap0053083	CP	%	114			30-130	Pass	
2-Nitrophenol	M26-Ap0053083	CP	%	77			30-130	Pass	
2,4-Dichlorophenol	M26-Ap0053083	CP	%	74			30-130	Pass	
2,4-Dimethylphenol	M26-Ap0053083	CP	%	103			30-130	Pass	
2,4,6-Trichlorophenol	M26-Ap0053083	CP	%	103			30-130	Pass	
2,6-Dichlorophenol	M26-Ap0053083	CP	%	89			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M26-Ap0053083	CP	%	124			30-130	Pass	
4-Chloro-3-methylphenol	M26-Ap0053083	CP	%	109			30-130	Pass	
Phenol	M26-Ap0053083	CP	%	95			30-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M26-Ap0051610	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C10-C14	M26-Ap0052981	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	M26-Ap0052981	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	M26-Ap0052981	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C6-C10	M26-Ap0051610	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH >C10-C16	M26-Ap0052981	NCP	mg/kg	< 50	< 50	<1	30%	Pass	
Naphthalene	M26-Ap0051610	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH >C16-C34	M26-Ap0052981	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
TRH >C34-C40	M26-Ap0052981	NCP	mg/kg	< 100	< 100	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M26-Ap0051610	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	M26-Ap0051610	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	M26-Ap0051610	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	M26-Ap0051610	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	M26-Ap0051610	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	M26-Ap0051610	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Benzo(a)pyrene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(b&j)fluoranthene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(g,h,i)perylene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	M26-Ap0051759	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
4,4'-DDD	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDE	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDT	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
a-HCH	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Aldrin	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
b-HCH	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
d-HCH	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Dieldrin	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan I	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan II	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan sulphate	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin aldehyde	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin ketone	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
g-HCH (Lindane)	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor epoxide	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Hexachlorobenzene	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Methoxychlor	M26-Ap0051759	NCP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Toxaphene	M26-Ap0051759	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Azinphos-methyl	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Bolstar	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorfenvinphos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos-methyl	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Coumaphos	M26-Ap0051759	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Demeton-S	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Demeton-O	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Diazinon	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dichlorvos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dimethoate	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Disulfoton	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
EPN	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethoprop	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethyl parathion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenitrothion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass

Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Fensulfothion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenthion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Malathion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Merphos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Methyl parathion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Mevinphos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Monocrotophos	M26-Ap0051759	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Naled	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Omethoate	M26-Ap0051759	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Phorate	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pirimiphos-methyl	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pyrazophos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ronnel	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Terbufos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tetrachlorvinphos	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tokuthion	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Trichloronate	M26-Ap0051759	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Arsenic	M26-Ap0039330	NCP	mg/kg	16	17	5.0	30%	Pass
Cadmium	M26-Ap0039330	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
Chromium	M26-Ap0039330	NCP	mg/kg	16	18	10	30%	Pass
Copper	M26-Ap0039330	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Lead	M26-Ap0039330	NCP	mg/kg	5.2	5.3	1.0	30%	Pass
Mercury	M26-Ap0039330	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Nickel	M26-Ap0039330	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Zinc	M26-Ap0039330	NCP	mg/kg	6.1	6.0	2.0	30%	Pass
Duplicate								
Sample Properties				Result 1	Result 2	RPD		
% Moisture	M26-Ap0053197	NCP	%	4.2	4.7	11	30%	Pass
Duplicate								
				Result 1	Result 2	RPD		
Chromium (hexavalent)	M26-Ap0052962	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Cyanide (total)	M26-Ap0053007	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Barium	M26-Ap0054768	NCP	mg/kg	41	47	14	30%	Pass
Beryllium	M26-Ap0054768	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Cobalt	M26-Ap0054768	NCP	mg/kg	11	13	15	30%	Pass
Iron	M26-Ap0056525	NCP	mg/kg	19000	26000	29	30%	Pass
Manganese	M26-Ap0054768	NCP	mg/kg	190	230	16	30%	Pass
Silver	M26-Ap0054768	NCP	mg/kg	< 2	< 2	<1	30%	Pass
Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Tetrachloroethene	M26-Ap0060895	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1221	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1242	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1248	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1254	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1260	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Total PCB*	M26-Ap0052868	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass

Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M26-Ap0052868	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dichlorophenol	M26-Ap0052868	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4,5-Trichlorophenol	M26-Ap0052868	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4,6-Trichlorophenol	M26-Ap0052868	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,6-Dichlorophenol	M26-Ap0052868	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
4-Chloro-3-methylphenol	M26-Ap0052868	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Pentachlorophenol	M26-Ap0052868	NCP	mg/kg	< 1	< 1	<1	30%	Pass
Tetrachlorophenols - Total	M26-Ap0052868	NCP	mg/kg	< 10	< 10	<1	30%	Pass
Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	M26-Ap0052868	NCP	mg/kg	< 20	< 20	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	M26-Ap0052868	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Nitrophenol	M26-Ap0052868	NCP	mg/kg	< 1	< 1	<1	30%	Pass
2,4-Dimethylphenol	M26-Ap0052868	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
2,4-Dinitrophenol	M26-Ap0052868	NCP	mg/kg	< 5	< 5	<1	30%	Pass
2-Methylphenol (o-Cresol)	M26-Ap0052868	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	M26-Ap0052868	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass
4-Nitrophenol	M26-Ap0052868	NCP	mg/kg	< 5	< 5	<1	30%	Pass
Dinoseb	M26-Ap0052868	NCP	mg/kg	< 20	< 20	<1	30%	Pass
Phenol	M26-Ap0052868	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Perfluoroalkyl sulfonamido substances- Trace				Result 1	Result 2	RPD		
Perfluorooctane sulfonamide (FOSA)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Perfluoroalkyl carboxylic acids (PFCAs) - Trace				Result 1	Result 2	RPD		
Perfluorobutanoic acid (PFBA)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass
Perfluoropentanoic acid (PFPeA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorohexanoic acid (PFHxA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluoroheptanoic acid (PFHpA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorooctanoic acid (PFOA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorononanoic acid (PFNA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorodecanoic acid (PFDA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorotridecanoic acid (PFTTrDA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluoroundecanoic acid (PFUnDA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorododecanoic acid (PFDoDA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass
Perfluorotetradecanoic acid (PFTeDA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass

Duplicate									
Perfluoroalkyl sulfonic acids (PFASs)- Trace				Result 1	Result 2	RPD			
Perfluorobutanesulfonic acid (PFBS)	M26-Ap0053081	CP	ug/kg	0.3	0.1	70	30%	Fail	Q15
Perfluorononanesulfonic acid (PFNS)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorohexanesulfonic acid (PFHxS)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	M26-Ap0053081	CP	ug/kg	< 0.1	0.1	28	30%	Pass	
Perfluorodecanesulfonic acid (PFDS)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)- Trace				Result 1	Result 2	RPD			
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid (6:2 FTSA)	M26-Ap0053081	CP	ug/kg	< 0.5	< 0.5	<1	30%	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M26-Ap0053081	CP	ug/kg	< 0.1	< 0.1	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
J-	If the percent recoveries were less than the lower control limit, qualify detects for the analyte in associated samples as estimated with a negative bias J-.
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
N09	Quantification of linear and branched isomers has been conducted as a single total response using the relative response factor for the corresponding linear/branched standard.
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Mary Makarios	Analytical Services Manager
Luke Holt	Senior Analyst-Inorganic
Mele Singh	Senior Analyst-Volatile
Sheha Prakash	Senior Analyst-Organic
Zoe Burke	Senior Analyst-Asbestos
Mary Makarios	Senior Analyst-Metal
Edward Lee	Senior Analyst-Organic
Carroll Lee	Senior Analyst-PFAS
Carroll Lee	Senior Analyst-Volatile



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



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Accreditation Number 1261
Site Number 1254

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 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Natasha Vella**

Report **1348826-W**
Project name **Hygge Unley Road**
Project ID **82257-1**
Received Date **Apr 20, 2026**

Client Sample ID			RN2	TB2
Sample Matrix			Water	Water
Eurofins Sample No.			M26- Ap0053085	M26- Ap0053086
Date Sampled			Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit		
Heavy Metals				
Arsenic	0.001	mg/L	< 0.001	-
Cadmium	0.0002	mg/L	< 0.0002	-
Chromium	0.001	mg/L	< 0.001	-
Copper	0.001	mg/L	< 0.001	-
Lead	0.001	mg/L	< 0.001	-
Mercury	0.0001	mg/L	< 0.0001	-
Nickel	0.001	mg/L	< 0.001	-
Zinc	0.005	mg/L	< 0.005	-
Perfluoroalkyl carboxylic acids (PFCAs)				
Perfluorobutanoic acid (PFBA) ^{N11}	0.05	ug/L	< 0.05	-
Perfluoropentanoic acid (PFPeA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorohexanoic acid (PFHxA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluoroheptanoic acid (PFHpA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorooctanoic acid (PFOA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorononanoic acid (PFNA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorodecanoic acid (PFDA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluoroundecanoic acid (PFUnDA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorododecanoic acid (PFDoDA) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorotridecanoic acid (PFTTrDA) ^{N15}	0.01	ug/L	< 0.01	-
Perfluorotetradecanoic acid (PFTeDA) ^{N11}	0.01	ug/L	< 0.01	-
13C4-PFBA (surr.)	1	%	102	-
13C5-PFPeA (surr.)	1	%	144	-
13C5-PFHxA (surr.)	1	%	^{J+} 166	-
13C4-PFHpA (surr.)	1	%	100	-
13C8-PFOA (surr.)	1	%	97	-
13C5-PFNA (surr.)	1	%	100	-
13C6-PFDA (surr.)	1	%	92	-
13C2-PFUnDA (surr.)	1	%	99	-
13C2-PFDoDA (surr.)	1	%	92	-
13C2-PFTeDA (surr.)	1	%	73	-

Client Sample ID			RN2	TB2
Sample Matrix			Water	Water
Eurofins Sample No.			M26- Ap0053085	M26- Ap0053086
Date Sampled			Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit		
Perfluoroalkyl sulfonamido substances				
Perfluorooctane sulfonamide (FOSA) ^{N11}	0.05	ug/L	< 0.05	-
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA) ^{N11}	0.05	ug/L	< 0.05	-
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA) ^{N11}	0.05	ug/L	< 0.05	-
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE) ^{N11}	0.05	ug/L	< 0.05	-
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE) ^{N11}	0.05	ug/L	< 0.05	-
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA) ^{N11}	0.05	ug/L	< 0.05	-
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA) ^{N11}	0.05	ug/L	< 0.05	-
13C8-FOSA (surr.)	1	%	98	-
D3-N-MeFOSA (surr.)	1	%	64	-
D5-N-EtFOSA (surr.)	1	%	52	-
D7-N-MeFOSE (surr.)	1	%	103	-
D9-N-EtFOSE (surr.)	1	%	96	-
D5-N-EtFOSAA (surr.)	1	%	103	-
D3-N-MeFOSAA (surr.)	1	%	100	-
Perfluoroalkyl sulfonic acids (PFASs)				
Perfluorobutanesulfonic acid (PFBS) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorononanesulfonic acid (PFNS) ^{N15}	0.01	ug/L	< 0.01	-
Perfluoropropanesulfonic acid (PFPrS) ^{N15}	0.01	ug/L	< 0.01	-
Perfluoropentanesulfonic acid (PFPeS) ^{N15}	0.01	ug/L	< 0.01	-
Perfluorohexanesulfonic acid (PFHxS) ^{N11}	0.01	ug/L	< 0.01	-
Perfluoroheptanesulfonic acid (PFHpS) ^{N15}	0.01	ug/L	< 0.01	-
Perfluorooctanesulfonic acid (PFOS) ^{N11}	0.01	ug/L	< 0.01	-
Perfluorodecanesulfonic acid (PFDS) ^{N15}	0.01	ug/L	< 0.01	-
13C3-PFBS (surr.)	1	%	94	-
18O2-PFHxS (surr.)	1	%	108	-
13C8-PFOS (surr.)	1	%	110	-
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)				
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	-
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA) ^{N11}	0.05	ug/L	< 0.05	-
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	-
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA) ^{N11}	0.01	ug/L	< 0.01	-
13C2-4:2 FTSA (surr.)	1	%	124	-
13C2-6:2 FTSA (surr.)	1	%	108	-
13C2-8:2 FTSA (surr.)	1	%	99	-
13C2-10:2 FTSA (surr.)	1	%	100	-
PFASs Summations				
Sum (PFHxS + PFOS)*	0.01	ug/L	< 0.01	-
Sum of WA DWER PFAS (n=10)*	0.05	ug/L	< 0.05	-
Sum of PFASs (n=30)*	0.1	ug/L	< 0.1	-

Client Sample ID			RN2	TB2
Sample Matrix			Water	Water
Eurofins Sample No.			M26- Ap0053085	M26- Ap0053086
Date Sampled			Apr 17, 2026	Apr 17, 2026
Test/Reference	LOR	Unit		
Total Recoverable Hydrocarbons				
TRH C6-C9	0.02	mg/L	-	< 0.02
TRH C6-C10	0.02	mg/L	-	< 0.02
TRH C6-C10 less BTEX (F1) ^{N04}	0.02	mg/L	-	< 0.02
Naphthalene ^{N02}	0.01	mg/L	-	< 0.01
BTEX				
Benzene	0.001	mg/L	-	< 0.001
Toluene	0.001	mg/L	-	< 0.001
Ethylbenzene	0.001	mg/L	-	< 0.001
m&p-Xylenes	0.002	mg/L	-	< 0.002
o-Xylene	0.001	mg/L	-	< 0.001
Xylenes - Total*	0.003	mg/L	-	< 0.003
4-Bromofluorobenzene (surr.)	1	%	-	101

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Eurofins Suite B7			
Metals M8	Melbourne	Apr 21, 2026	28 Days
- Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS			
Per- and Polyfluoroalkyl Substances (PFASs)			
Perfluoroalkyl carboxylic acids (PFCAs)	Melbourne	Apr 24, 2026	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonamido substances	Melbourne	Apr 24, 2026	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Perfluoroalkyl sulfonic acids (PFSAs)	Melbourne	Apr 24, 2026	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)	Melbourne	Apr 24, 2026	28 Days
- Method: LTM-ORG-2100 Per- and Polyfluoroalkyl Substances (PFAS)			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions	Melbourne	Apr 21, 2026	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
Total Recoverable Hydrocarbons	Melbourne	Apr 21, 2026	7 Days
- Method: LTM-ORG-2010 TRH C6-C40			
BTEX	Melbourne	Apr 21, 2026	14 Days
- Method: LTM-ORG-2010 BTEX and Volatile TRH			

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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-1

Order No.:
Report #: 1348826
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 20, 2026 5:37 PM
Due: Apr 28, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	HOLD*	Split - External Lab*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X		X	X	X	X	X	X	X	X
External Laboratory								X								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID											
1	QC6	Apr 17, 2026		Soil	M26-Ap0053078			X								
2	QC8	Apr 17, 2026		Soil	M26-Ap0053079			X								
3	BH07 0.0-0.4	Apr 17, 2026		Soil	M26-Ap0053080	X				X	X		X			
4	BH07 2.9-3.0	Apr 17, 2026		Soil	M26-Ap0053081						X	X			X	
5	BH07 7.9-8.0	Apr 17, 2026		Soil	M26-Ap0053082				X		X					
6	QC5	Apr 17, 2026		Soil	M26-Ap0053083					X	X		X			
7	QC7	Apr 17, 2026		Soil	M26-Ap0053084						X	X			X	
8	RN2	Apr 17, 2026		Water	M26-Ap0053085				X							X
9	TB2	Apr 17, 2026		Water	M26-Ap0053086									X		
10	BH07 0.9-1.0	Apr 17, 2026		Soil	M26-Ap0053087		X									
11	BH07 1.4-1.5	Apr 17, 2026		Soil	M26-Ap0053088		X									
12	BH07 1.9-2.0	Apr 17, 2026		Soil	M26-Ap0053089		X									
13	BH07 3.9-4.0	Apr 17, 2026		Soil	M26-Ap0053090		X									
14	BH07 4.9-5.0	Apr 17, 2026		Soil	M26-Ap0053091		X									

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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-1

Order No.:
Report #: 1348826
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 20, 2026 5:37 PM
Due: Apr 28, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	HOLD*	Split - External Lab*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X		X	X	X	X	X	X	X	X
15	BH07_5.9-6.0	Apr 17, 2026		Soil	M26-Ap0053092		X									
16	BH07_6.9-7.0	Apr 17, 2026		Soil	M26-Ap0053093		X									
17	BH07_8.9-9.0	Apr 17, 2026		Soil	M26-Ap0053094		X									
Test Counts						1	8	2	2	2	5	2	2	1	2	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Heavy Metals							
Arsenic	mg/L	< 0.001			0.001	Pass	
Cadmium	mg/L	< 0.0002			0.0002	Pass	
Chromium	mg/L	< 0.001			0.001	Pass	
Copper	mg/L	< 0.001			0.001	Pass	
Lead	mg/L	< 0.001			0.001	Pass	
Mercury	mg/L	< 0.0001			0.0001	Pass	
Nickel	mg/L	< 0.001			0.001	Pass	
Zinc	mg/L	< 0.005			0.005	Pass	
Method Blank							
Perfluoroalkyl carboxylic acids (PFCAs)							
Perfluorobutanoic acid (PFBA)	ug/L	< 0.05			0.05	Pass	
Perfluoropentanoic acid (PFPeA)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanoic acid (PFHxA)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanoic acid (PFHpA)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanoic acid (PFOA)	ug/L	< 0.01			0.01	Pass	
Perfluorononanoic acid (PFNA)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanoic acid (PFDA)	ug/L	< 0.01			0.01	Pass	
Perfluoroundecanoic acid (PFUnDA)	ug/L	< 0.01			0.01	Pass	
Perfluorododecanoic acid (PFDoDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotridecanoic acid (PFTTrDA)	ug/L	< 0.01			0.01	Pass	
Perfluorotetradecanoic acid (PFTeDA)	ug/L	< 0.01			0.01	Pass	
Method Blank							
Perfluoroalkyl sulfonamido substances							
Perfluorooctane sulfonamide (FOSA)	ug/L	< 0.05			0.05	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	ug/L	< 0.05			0.05	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	ug/L	< 0.05			0.05	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	ug/L	< 0.05			0.05	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	ug/L	< 0.05			0.05	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ug/L	< 0.05			0.05	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	ug/L	< 0.05			0.05	Pass	
Method Blank							
Perfluoroalkyl sulfonic acids (PFSA's)							
Perfluorobutanesulfonic acid (PFBS)	ug/L	< 0.01			0.01	Pass	
Perfluorononanesulfonic acid (PFNS)	ug/L	< 0.01			0.01	Pass	
Perfluoropropanesulfonic acid (PFPrS)	ug/L	< 0.01			0.01	Pass	
Perfluoropentanesulfonic acid (PFPeS)	ug/L	< 0.01			0.01	Pass	
Perfluorohexanesulfonic acid (PFHxS)	ug/L	< 0.01			0.01	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	ug/L	< 0.01			0.01	Pass	
Perfluorooctanesulfonic acid (PFOS)	ug/L	< 0.01			0.01	Pass	
Perfluorodecanesulfonic acid (PFDS)	ug/L	< 0.01			0.01	Pass	
Method Blank							
n:2 Fluorotelomer sulfonic acids (n:2 FTSA's)							
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	ug/L	< 0.05			0.05	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	ug/L	< 0.01			0.01	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	ug/L	< 0.01			0.01	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	

Test			Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
TRH C6-C10			mg/L	< 0.02			0.02	Pass	
Naphthalene			mg/L	< 0.01			0.01	Pass	
Method Blank									
BTEX									
Benzene			mg/L	< 0.001			0.001	Pass	
Toluene			mg/L	< 0.001			0.001	Pass	
Ethylbenzene			mg/L	< 0.001			0.001	Pass	
m&p-Xylenes			mg/L	< 0.002			0.002	Pass	
o-Xylene			mg/L	< 0.001			0.001	Pass	
Xylenes - Total*			mg/L	< 0.003			0.003	Pass	
LCS - % Recovery									
Heavy Metals									
Arsenic			%	96			80-120	Pass	
Cadmium			%	85			80-120	Pass	
Chromium			%	92			80-120	Pass	
Copper			%	90			80-120	Pass	
Lead			%	90			80-120	Pass	
Mercury			%	103			80-120	Pass	
Nickel			%	92			80-120	Pass	
Zinc			%	90			80-120	Pass	
LCS - % Recovery									
Perfluoroalkyl carboxylic acids (PFCAs)									
Perfluorooctanoic acid (PFOA)			%	94			50-150	Pass	
LCS - % Recovery									
Perfluoroalkyl sulfonic acids (PFSA's)									
Perfluorohexanesulfonic acid (PFHxS)			%	100			50-150	Pass	
Perfluorooctanesulfonic acid (PFOS)			%	115			50-150	Pass	
LCS - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSAs)									
1H,1H,2H,2H-perfluorooctanesulfonic acid(6:2 FTSA)			%	97			50-150	Pass	
LCS - % Recovery									
Total Recoverable Hydrocarbons									
TRH C6-C9			%	103			70-130	Pass	
TRH C6-C10			%	108			70-130	Pass	
Naphthalene			%	119			70-130	Pass	
LCS - % Recovery									
BTEX									
Benzene			%	94			70-130	Pass	
Toluene			%	109			70-130	Pass	
Ethylbenzene			%	102			70-130	Pass	
m&p-Xylenes			%	103			70-130	Pass	
Xylenes - Total*			%	105			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
Heavy Metals				Result 1					
Arsenic	M26-Ap0051799	NCP	%	105			75-125	Pass	
Cadmium	M26-Ap0051799	NCP	%	96			75-125	Pass	
Chromium	M26-Ap0051799	NCP	%	102			75-125	Pass	
Copper	M26-Ap0051799	NCP	%	102			75-125	Pass	
Lead	M26-Ap0051799	NCP	%	98			75-125	Pass	
Mercury	M26-Ap0051799	NCP	%	105			75-125	Pass	
Nickel	M26-Ap0051799	NCP	%	100			75-125	Pass	
Zinc	M26-Ap0051799	NCP	%	112			75-125	Pass	
Spike - % Recovery									

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1					
Perfluorobutanoic acid (PFBA)	M26-Ap0076288	NCP	%	87			50-150	Pass	
Perfluoropentanoic acid (PFPeA)	M26-Ap0076288	NCP	%	105			50-150	Pass	
Perfluorohexanoic acid (PFHxA)	M26-Ap0076288	NCP	%	103			50-150	Pass	
Perfluoroheptanoic acid (PFHpA)	M26-Ap0076288	NCP	%	107			50-150	Pass	
Perfluorooctanoic acid (PFOA)	M26-Ap0076288	NCP	%	88			50-150	Pass	
Perfluorononanoic acid (PFNA)	M26-Ap0076288	NCP	%	110			50-150	Pass	
Perfluorodecanoic acid (PFDA)	M26-Ap0076288	NCP	%	105			50-150	Pass	
Perfluoroundecanoic acid (PFUnDA)	M26-Ap0076288	NCP	%	110			50-150	Pass	
Perfluorododecanoic acid (PFDoDA)	M26-Ap0076288	NCP	%	112			50-150	Pass	
Perfluorotridecanoic acid (PFTTrDA)	M26-Ap0076288	NCP	%	61			50-150	Pass	
Perfluorotetradecanoic acid (PFTeDA)	M26-Ap0076288	NCP	%	124			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonamido substances				Result 1					
Perfluorooctane sulfonamide (FOSA)	M26-Ap0076288	NCP	%	97			50-150	Pass	
N-methylperfluoro-1-octane sulfonamide (N-MeFOSA)	M26-Ap0076288	NCP	%	91			50-150	Pass	
N-ethylperfluoro-1-octane sulfonamide (N-EtFOSA)	M26-Ap0076288	NCP	%	97			50-150	Pass	
2-(N-methylperfluoro-1-octane sulfonamido)-ethanol(N-MeFOSE)	M26-Ap0076288	NCP	%	104			50-150	Pass	
2-(N-ethylperfluoro-1-octane sulfonamido)-ethanol(N-EtFOSE)	M26-Ap0076288	NCP	%	99			50-150	Pass	
N-ethyl-perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	M26-Ap0076288	NCP	%	85			50-150	Pass	
N-methyl-perfluorooctanesulfonamidoacetic acid (N-MeFOSAA)	M26-Ap0076288	NCP	%	98			50-150	Pass	
Spike - % Recovery									
Perfluoroalkyl sulfonic acids (PFSAs)				Result 1					
Perfluorononanesulfonic acid (PFNS)	M26-Ap0076288	NCP	%	106			50-150	Pass	
Perfluoropropanesulfonic acid (PFPrS)	M26-Ap0076288	NCP	%	63			50-150	Pass	
Perfluoropentanesulfonic acid (PFPeS)	M26-Ap0076288	NCP	%	101			50-150	Pass	
Perfluoroheptanesulfonic acid (PFHpS)	M26-Ap0076288	NCP	%	119			50-150	Pass	
Perfluorodecanesulfonic acid (PFDS)	M26-Ap0076288	NCP	%	53			50-150	Pass	
Spike - % Recovery									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA)				Result 1					
1H.1H.2H.2H-perfluorohexanesulfonic acid (4:2 FTSA)	M26-Ap0076288	NCP	%	98			50-150	Pass	
1H.1H.2H.2H-perfluorooctanesulfonic acid(6:2 FTSA)	M26-Ap0076288	NCP	%	147			50-150	Pass	
1H.1H.2H.2H-perfluorodecanesulfonic acid (8:2 FTSA)	M26-Ap0076288	NCP	%	131			50-150	Pass	
1H.1H.2H.2H-perfluorododecanesulfonic acid (10:2 FTSA)	M26-Ap0076288	NCP	%	106			50-150	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons				Result 1					
TRH C6-C9	M26-Ap0031204	NCP	%	74			70-130	Pass	
TRH C6-C10	M26-Ap0031204	NCP	%	75			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Naphthalene	M26-Ap0031204	NCP	%	71			70-130	Pass	
Spike - % Recovery									
BTEX				Result 1					
Benzene	M26-Ap0031204	NCP	%	70			70-130	Pass	
Toluene	M26-Ap0031204	NCP	%	81			70-130	Pass	
Ethylbenzene	M26-Ap0031204	NCP	%	74			70-130	Pass	
m&p-Xylenes	M26-Ap0031204	NCP	%	75			70-130	Pass	
o-Xylene	M26-Ap0031204	NCP	%	76			70-130	Pass	
Xylenes - Total*	M26-Ap0031204	NCP	%	75			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Heavy Metals				Result 1	Result 2	RPD			
Arsenic	M26-Ap0051799	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Cadmium	M26-Ap0051799	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Chromium	M26-Ap0051799	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Copper	M26-Ap0051799	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Lead	M26-Ap0051799	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Mercury	M26-Ap0051799	NCP	mg/L	< 0.0001	< 0.0001	<1	30%	Pass	
Nickel	M26-Ap0051799	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Zinc	M26-Ap0051799	NCP	mg/L	< 0.005	< 0.005	<1	30%	Pass	
Duplicate									
Perfluoroalkyl carboxylic acids (PFCAs)				Result 1	Result 2	RPD			
Perfluoropentanoic acid (PFPeA)	M26-Ap0066486	NCP	ug/L	0.05	0.05	4.0	30%	Pass	
Perfluorooctanoic acid (PFOA)	M26-Ap0062673	NCP	ug/L	0.08	0.08	2.0	30%	Pass	
Duplicate									
Perfluoroalkyl sulfonic acids (PFSA's)				Result 1	Result 2	RPD			
Perfluorohexanesulfonic acid (PFHxS)	M26-Ap0062673	NCP	ug/L	0.58	0.55	6.0	30%	Pass	
Perfluorooctanesulfonic acid (PFOS)	M26-Ap0062673	NCP	ug/L	3.3	3.0	9.0	30%	Pass	
Duplicate									
n:2 Fluorotelomer sulfonic acids (n:2 FTSA's)				Result 1	Result 2	RPD			
1H,1H,2H,2H-perfluorooctanesulfonic acid(6:2 FTSA)	M26-Ap0062673	NCP	ug/L	0.11	0.10	4.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD			
TRH C6-C9	M26-Ap0053086	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
TRH C6-C10	M26-Ap0053086	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Naphthalene	M26-Ap0053086	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	M26-Ap0031205	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Toluene	M26-Ap0031205	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Ethylbenzene	M26-Ap0031205	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
m&p-Xylenes	M26-Ap0031205	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
o-Xylene	M26-Ap0031205	NCP	mg/L	< 0.001	< 0.001	<1	30%	Pass	
Xylenes - Total*	M26-Ap0031205	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass	

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
J+	If the percent recoveries were greater than the upper control limit, qualify detects for the analyte in associated samples as estimated with a positive bias J+.
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N11	Isotope dilution is used for calibration of each native compound for which an exact labelled analogue is available (Isotope Dilution Quantitation). The isotopically labelled analogues allow identification and recovery correction of the concentration of the associated native PFAS compounds.
N15	Where the native PFAS compound does not have labelled analogue then the quantification is made using the Extracted Internal Standard Analyte with the closest retention time to the analyte and no recovery correction has been made (Internal Standard Quantitation).

Authorised by:

Mary Makarios	Analytical Services Manager
Emily Rosenberg	Senior Analyst-Metal
Harry Bacalis	Senior Analyst-Volatile
Mele Singh	Senior Analyst-PFAS



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Fyfe Earth Partners
Level 1, 124 South Tce
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SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025—Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: Natasha Vella
Report 1348826-AID
Project Name Hygge Unley Road
Project ID 82257-1
Received Date Apr 20, 2026
Date Reported Apr 28, 2026

Methodology:

Asbestos Fibre
 Identification

Conducted in accordance with the Australian Standard AS 4964-2004: *Method for the Qualitative Identification of Asbestos in Bulk Samples* and in-house Method LTM-ASB-8020 by polarised light microscopy (PLM) and dispersion staining (DS) techniques.

NOTE: Positive Trace Analysis results indicate the sample contains detectable respirable fibres.

Unknown Mineral
 Fibres

Mineral fibres of unknown type, as determined by PLM with DS, may require another analytical technique, such as Electron Microscopy, to confirm unequivocal identity.

NOTE: While Actinolite, Anthophyllite and Tremolite asbestos may be detected by PLM with DS, due to variability in the optical properties of these materials, AS 4964-2004 requires that these are reported as UMF unless confirmed by an independent technique.

Subsampling Soil
 Samples

The whole sample submitted is first dried and then passed through a 10 mm sieve followed by a 2 mm sieve. All fibrous matter greater than 10 mm, greater than 2 mm as well as the material passing through the 2 mm sieve are retained and analysed for the presence of asbestos. If the sub 2 mm fraction is greater than approximately 30 g to 60 g then a sub-sampling routine based on ISO 3082:2017 is employed.

NOTE: Depending on the nature and size of the soil sample, the sub-2 mm residue material may need to be sub-sampled for trace analysis, in accordance with AS 4964-2004.

Bonded asbestos-
 containing material
 (ACM)

The material is first examined and any fibres isolated for identification by PLM and DS. Where required, interfering matrices may be removed by disintegration using a range of heat, chemical or physical treatments, possibly in combination. The resultant material is then further examined in accordance with AS 4964-2004.

NOTE: Even after disintegration it may be difficult to detect the presence of asbestos in some asbestos-containing bulk materials using PLM and DS. This is due to the low grade or small length or diameter of the asbestos fibres present in the material, or to the fact that very fine fibres have been distributed intimately throughout the materials. Vinyl/asbestos floor tiles, some asbestos-containing sealants and mastics, asbestos-containing epoxy resins and some ore samples are examples of these types of material, which are difficult to analyse.

Limit of Reporting
 (LOR)

The performance limitation of the AS 4964-2004 method for non-homogeneous samples is around 0.1 g/kg (equivalent to 0.01 % (w/w)). Where no asbestos is found by PLM and DS, including Trace Analysis, this is considered to be at the nominal reporting limit of 0.01 % (w/w).

The NEPM screening level of 0.001 % (w/w) is intended as an on-site determination, not a laboratory Limit of Reporting (LOR), per se. Examination of a large sample size (e.g. 500 mL) may improve the likelihood of detecting asbestos, particularly AF, to aid assessment against the NEPM criteria. Gravimetric determinations to this level of accuracy are outside of AS 4964-2004 and hence NATA Accreditation does not cover the performance of this service (non-NATA results shown with an asterisk).

NOTE: NATA News March 2014, p.7, states in relation to AS 4964-2004: "This is a qualitative method with a nominal reporting limit of 0.01 % " and that currently in Australia "there is no validated method available for the quantification of asbestos". This report is consistent with the analytical procedures and reporting recommendations in the NEPM and the WA DoH.

Project Name Hygge Unley Road
Project ID 82257-1
Date Sampled Apr 17, 2026
Report 1348826-AID

Client Sample ID	Eurofins Sample No.	Date Sampled	Sample Description	Result
BH07_0.0-0.4	26-Ap0053080	Apr 17, 2026	Approximate Sample 404g Sample consisted of: Coarse-grained red sandy soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibres detected. No trace asbestos detected.

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Asbestos - LTM-ASB-8020	Melbourne	Apr 23, 2026	Indefinite

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Site# 1254

Geelong
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Grovedale
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NATA# 1261
Site# 25403

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Girraween
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+61 2 9900 8400
NATA# 1261
Site# 18217

Newcastle
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Mayfield West
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NATA# 1261
Site# 25079

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NATA# 1261
Site# 25466

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NATA# 1261
Site# 20794 & 2780

Hobart
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NATA# 1261
Site# 1254

Perth
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WA 6106
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NATA# 2377
Site# 2370 & 2554

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-1

Order No.:
Report #: 1348826
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 20, 2026 5:37 PM
Due: Apr 28, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Asbestos - AS 4964*	HOLD*	Split - External Lab*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X		X	X	X	X	X	X	X	X
External Laboratory								X								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID											
1	QC6	Apr 17, 2026		Soil	M26-Ap0053078			X								
2	QC8	Apr 17, 2026		Soil	M26-Ap0053079			X								
3	BH07 0.0-0.4	Apr 17, 2026		Soil	M26-Ap0053080	X				X	X		X			
4	BH07 2.9-3.0	Apr 17, 2026		Soil	M26-Ap0053081						X	X			X	
5	BH07 7.9-8.0	Apr 17, 2026		Soil	M26-Ap0053082				X		X					
6	QC5	Apr 17, 2026		Soil	M26-Ap0053083					X	X		X			
7	QC7	Apr 17, 2026		Soil	M26-Ap0053084						X	X			X	
8	RN2	Apr 17, 2026		Water	M26-Ap0053085				X							X
9	TB2	Apr 17, 2026		Water	M26-Ap0053086									X		
10	BH07 0.9-1.0	Apr 17, 2026		Soil	M26-Ap0053087		X									
11	BH07 1.4-1.5	Apr 17, 2026		Soil	M26-Ap0053088		X									
12	BH07 1.9-2.0	Apr 17, 2026		Soil	M26-Ap0053089		X									
13	BH07 3.9-4.0	Apr 17, 2026		Soil	M26-Ap0053090		X									
14	BH07 4.9-5.0	Apr 17, 2026		Soil	M26-Ap0053091		X									

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Address: Level 1, 124 South Tce
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Project Name: Hygge Unley Road
Project ID: 82257-1

Order No.:
Report #: 1348826
Phone: 08 8201 9600
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Received: Apr 20, 2026 5:37 PM
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Priority: 5 Day
Contact Name: Natasha Vella

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Sample Detail						Asbestos - AS 4964*	HOLD*	Split - External Lab*	Metals M8	Suite B14: OCP/OPP	Moisture Set	SA Waste Screen	Eurofins Suite B7	BTEXN and Volatile TRH	Per- and Polyfluoroalkyl Substances (PFASs)	Per- and Polyfluoroalkyl Substances (PFASs)
Melbourne Laboratory - NATA # 1261 Site # 1254						X	X		X	X	X	X	X	X	X	X
15	BH07_5.9-6.0	Apr 17, 2026		Soil	M26-Ap0053092		X									
16	BH07_6.9-7.0	Apr 17, 2026		Soil	M26-Ap0053093		X									
17	BH07_8.9-9.0	Apr 17, 2026		Soil	M26-Ap0053094		X									
Test Counts						1	8	2	2	2	5	2	2	1	2	1

Internal Quality Control Review and Glossary General

1. QC data may be available on request.
2. All soil results are reported on a dry basis, unless otherwise stated.
3. Samples were analysed on an 'as received' basis.
4. Information identified on this report in **blue** indicates data provided by the customer that may impact the results.
5. This report replaces any interim results previously issued.

Holding Times

Please refer to the most recent version of the 'Sample Preservation and Container Guide' for holding times (QS3001).

Units

% w/w:	Percentage weight-for-weight basis, e.g. of asbestos in asbestos-containing finds in soil samples (% w/w)
F/ffd	Airborne fibre filter loading as Fibres (N) per Fields counted (n)
F/mL	Airborne fibre reported concentration as Fibres per millilitre of air drawn over the sampler membrane (C)
g, kg	Mass, e.g. of whole sample (M) or asbestos-containing find within the sample (m)
g/kg	Concentration in grams per kilogram
L, mL	Volume, e.g. of air as measured in AFM (V = r x t)
L/min	Airborne fibre sampling Flowrate as litres per minute of air drawn over the sampler membrane (r)
min	Time (t), e.g. of air sample collection period

Calculations

Airborne Fibre Concentration: $C = \left(\frac{A}{d}\right) \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right) \times \left(\frac{1}{t}\right) = K \times \left(\frac{N}{n}\right) \times \left(\frac{1}{r}\right)$

Asbestos Content (as asbestos): $\% w/w = \frac{(m \times P_A)}{M}$

Weighted Average (of asbestos): $\%_{WA} = \frac{\sum (m \times P_A)_x}{x}$

Terms

%Asbestos

Estimated percentage of asbestos in a given matrix may be derived from knowledge or experience of the material, informed by HSG264 *Appendix 2*, else assumed to be 15% in accordance with WA DOH *Appendix 2* (P_A). This estimate is not NATA-accredited.

ACM

Asbestos Containing Materials. Asbestos in a non-asbestos matrix is typically presented in bonded (non friable) condition. For the NEPM and WA DOH, ACM corresponds to material larger than 7 mm x 7 mm.

AF

Asbestos Fines. Asbestos contamination within a soil sample, as defined by WA DOH. Includes loose fibre bundles and small pieces of friable and non-friable material, such as asbestos cement fragments mixed with soil. Considered under the NEPM as equivalent to "non-bonded / friable".

AFM

Airborne Fibre Monitoring, e.g., by the MFM.

Amosite

Amosite Asbestos Detected. Amosite may also refer to Fibrous Grunerite or Brown Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

AS

Australian Standard.

Asbestos Content (as asbestos) Total %w/w asbestos content in asbestos-containing finds in a soil sample (% w/w).

Chrysotile

Chrysotile Asbestos Detected. Chrysotile may also refer to Fibrous Serpentine or White Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

COC

Chain of Custody.

Crocidolite

Crocidolite Asbestos Detected. Crocidolite may also refer to Fibrous Riebeckite or Blue Asbestos. Identified in accordance with AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

Dry

Sample is dried by heating before analysis.

DS

Dispersion Staining. The technique required for unequivocal identification of asbestos fibres by PLM.

FA

Fibrous Asbestos. Asbestos-containing material that is wholly or in part friable, including materials with higher asbestos content with a propensity to become friable with handling, and any material previously non-friable and severely degraded. For the NEPM and WA DOH, FA generally corresponds to material larger than 7 mm x 7 mm, although FA may be more difficult to distinguish visibly and may be assessed as AF.

Fibre Count

Total of all fibres (whether asbestos or not) meeting the counting criteria set out in the NOHSC:3003

Fibre ID

Fibre Identification. Unequivocal identification of asbestos fibres according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. Includes Chrysotile, Amosite (Grunerite) or Crocidolite asbestos.

Friable

Asbestos-containing materials of any size that may be broken or crumbled by hand pressure. For the NEPM, this includes both AF and FA. It is outside of the laboratory's remit to assess the degree of friability.

HSG248

UK HSE HSG248, *Asbestos: The Analysts Guide*, 2nd Edition (2021), ISBN: 9780616667079.

HSG264

UK HSE HSG264, *Asbestos: The Survey Guide* (2012), ISBN: 9780717665020

ISO (also ISO/IEC)

International Organization for Standardization / International Electrotechnical Commission.

K Factor

Microscope constant (K) as derived from the effective filter area of the given AFM membrane used for collecting the sample (A) and the projected eyepiece graticule area of the specific microscope used for the analysis (a).

LOR

Limit of Reporting.

MFM (also NOHSC:3003)

Membrane Filter Method. As described by the Australian Government National Occupational Health and Safety Commission, *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres*, 2nd Edition [NOHSC:3003(2005)].

MMVF

Man-Made Vitreous Fibre - exhibiting isotropic characteristics, including glass fibres, glass wool, rock wool, slag wool, ceramic fibres and "bio-soluble fibres. NOTE: previously known as "synthetic mineral fibre" (SMF).

NEPM (also ASC NEPM)

National Environment Protection (Assessment of Site Contamination) Measure, (2013, as amended).

Organic

Organic Fibres Detected. Organic may refer to Natural or Man-Made Polymeric Fibres. Identified per AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

PCM

Phase Contrast Microscopy. This is used for fibre counting, according to the MFM.

PLM

Polarised Light Microscopy. It is used for fibre identification and residual analysis according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004.

Sampling

Unless otherwise stated, Eurofins are not responsible for sampling equipment or the sampling process.

SRA

Sample Receipt Advice.

Residual Analysis

An analytical procedure is used to detect the presence of respirable fibres (particularly asbestos) in a given sample matrix according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly Trace Analysis in AS 4964-2004.

UK HSE HSG

United Kingdom, Health and Safety Executive, Health and Safety Guidance, publication.

Inconclusive

Fibrous minerals that are detected but have not been unequivocally identified by PLM with DS according to AS 5370:2024* Sampling and qualitative identification of asbestos in bulk materials (ISO 22262-1:2012, MOD), formerly AS 4964-2004. It may include (but is not limited to) actinolite, anthophyllite, or tremolite asbestos. SEM/TEM is required for definitive identification.

WA DOH

Reference document for the NEPM. Government of Western Australia, *Guidelines for the Assessment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia* (updated 2021), including Appendix Four: *Laboratory analysis*

Weighted Average

Combined average %w/w asbestos content of all asbestos-containing finds in the given aliquot or total soil sample (%_{WA}).

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Asbestos Counter/Identifier:

Hiren Patel Senior Analyst-Asbestos

Authorised by:

Zoe Burke Senior Analyst-Asbestos



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

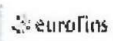
- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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#1348826 20/4/26



CHAIN OF CUSTODY RECORD

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Brisbane Laboratory
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Perth Laboratory (ABN 811 850 109 838)
46-48 Bantala Road Welshpool WA 6106
1800 010 000 | 61 8 948 4000 | 61 8 948 4001

Melbourne Laboratory
6 Macrossan Road Dandenong South VIC 3175
1800 010 000 | 61 3 8549 9600 | 61 3 8549 9601

Howcastle Laboratory
1/2 Frost Drive, Mayfield West, NSW
1800 010 000 | 61 2 9510 4000 | 61 2 9510 4001

Client: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce, Adelaide, South Australia 5000
Project No.: 0421 439 887
Project Name: Natasha Vella
Project Manager: F0816756059
Project Code: 230622FYF8

Project No.: R2257-1
Project Name: Hygge Unley Road

Project Manager: Natasha Vella
Project Code: FX-000

Analyst: CAB
Analyst ID: CAB
Analyst Email: natasha.vella@fyfe.com.au

Client Sample ID	Sample Description	Matrix	B14 - OCP/OPP	M8 - Metals M8	R7 - SA Waste Screen	Asbestos Absence Presence	B1 - TPH, BTEX	B7 - TPH, BTEX, PAH, Metals 8	PFAS - 28 Analytes	MEPM H/L Screen	R21 - MEPM E/L (Sol Class Screen)	Hold	500mL Plastic	100mL Plastic	100mL Plastic - Metals - Unfiltered	100mL Plastic - Metals - Filtered	200mL Amber Glass	40mL VOA 404	Jar (Glass or HDPE)	Other TAT Requirements	Comments
BH07_0.0-0.4	17/04/26	Soil	X		X			X													asbestos bag included
BH07_0.4-1.0	17/04/26	Soil											X								
BH07_1.4-4.5	17/04/26	Soil											X								
BH07_1.9-2.0	17/04/26	Soil											X								
BH07_2.9-3.0	17/04/26	Soil			X				X												
BH07_3.9-4.0	17/04/26	Soil											X								
BH07_4.9-5.0	17/04/26	Soil											X								
BH07_5.9-6.0	17/04/26	Soil											X								
BH07_6.9-7.0	17/04/26	Soil											X								
BH07_7.9-8.0	17/04/26	Soil		X																	
BH07_8.9-9.0	17/04/26	Soil											X								
QC5	17/04/26	Soil	X					X													
QC6	17/04/26	Soil	X					X													Please forward to ALS
QC7	17/04/26	Soil			X				X												
QC8	17/04/26	Soil			X				X												Please forward to ALS
RN2	17/04/26	Water		X					X												
YB2	17/04/26	Water				X															

Environmental Division
Melbourne
Work Order Reference
EM2606944



Telephone : + 61-3-8549 9600

Chlorine 125
20/4/26 11:00



SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **EM2606944**

Client : **FYFE PTY LTD**
Contact : **NATASHA VELLA**
Address : **LEVEL 1, 124 SOUTH TERRACE**
ADELAIDE SOUTH AUSTRALIA 5000

E-mail : **Natasha.vella@fyfe.com.au**
Telephone : **----**
Facsimile : **----**

Project : **82257-1**
Order number : **----**
C-O-C number : **----**
Site : **----**
Sampler : **CAB**

Laboratory : **Environmental Division Melbourne**
Contact : **Kieren Burns**
Address : **4 Westall Rd Springvale VIC Australia**
3171

E-mail : **kieren.burns@alsglobal.com**
Telephone : **+61881625130**
Facsimile : **+61-3-8549 9626**

Page : **1 of 2**
Quote number : **EP2023FYFEAR0001 (EN/111)**
QC Level : **NEPM 2013 B3 & ALS QC Standard**

Dates

Date Samples Received : **21-Apr-2026 10:30**
Client Requested Due : **28-Apr-2026**
Date

Issue Date : **21-Apr-2026**
Scheduled Reporting Date : **28-Apr-2026**

Delivery Details

Mode of Delivery : **Carrier**
No. of coolers/boxes : **2**

Security Seal : **Not Available**
Temperature : **4.3, 5.3, 6.1 °C - Ice Bricks**
present

Receipt Detail :
No. of samples received / analysed : **2 / 2**

General Comments

- This report contains the following information:
 - Sample Container(s)/Preservation Non-Compliances
 - Summary of Sample(s) and Requested Analysis
 - Proactive Holding Time Report
 - Requested Deliverables
- **Please direct any queries related to sample condition / numbering / breakages to Client Services.**
- Sample Disposal - Aqueous (3 weeks), Solid (2 months) from receipt of samples.
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

- ### Summary of Sample(s) and Requested Analysis

Matrix: SOIL

Laboratory sample ID	Sampling date / time	Sample ID	SOIL - E - Moisture	SOIL - E - Trivalent	SOIL - E - PFAS -	SOIL - E - SA EPA	SOIL - S - OC/OP	SOIL - S - metals
EM2606944-001	17-Apr-2026 00:00	QC6	✓				✓	✓
EM2606944-002	17-Apr-2026 00:00	QC8	✓	✓	✓	✓		

(COA GL EPA WASTE)



CERTIFICATE OF ANALYSIS

Work Order : **EM2606944**
Client : FYFE PTY LTD
Contact : NATASHA VELLA
Address : LEVEL 1, 124 SOUTH TERRACE
ADELAIDE SOUTH AUSTRALIA 5000
Telephone : ---
Project : 82257-1
Order number : ---
C-O-C number : ---
Sampler : CAB
Site : ---
Quote number : EN/111
No. of samples received : 2
No. of samples analysed : 2

Page : 1 of 11
Laboratory : Environmental Division Melbourne
Contact : Kieren Burns
Address : 4 Westall Rd Springvale VIC Australia 3171
Telephone : +61881625130
Date Samples Received : 21-Apr-2026 10:30
Date Analysis Commenced : 21-Apr-2026
Issue Date : 24-Apr-2026 15:28



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Nancy Wang	2IC Organic Chemist	Melbourne Inorganics, Springvale, VIC
Nancy Wang	2IC Organic Chemist	Melbourne Organics, Springvale, VIC
Nikki Stepniewski	Senior Inorganic Instrument Chemist	Melbourne Inorganics, Springvale, VIC



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
Ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a,h)anthracene (1.0), Benzo(g,h,i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP074: Where reported, Total Trihalomethanes is the sum of the reported concentrations of all Trihalomethanes at or above the LOR.
- EP074: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP074: Where reported, Sum of chlorinated hydrocarbons includes carbon tetrachloride, chlorobenzene, chloroform, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,2,4-trichlorobenzene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethene, vinyl chloride, hexachlorobutadiene and methylene chloride.
- EP074: Where reported, Total Trimethylbenzenes is the sum of the reported concentrations of 1.2.3-Trimethylbenzene, 1.2.4-Trimethylbenzene and 1.3.5-Trimethylbenzene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EP231: Stable isotope enriched internal standards are added to samples prior to extraction. Target compounds have a direct analogous internal standard with the exception of PFPeS, PFHpA, PFDS, PFTrDA and 10:2 FTS. These compounds use an internal standard that is chemically related and has a retention time close to that of the target compound. The DQO for internal standard response is 50-150% of that established at initial calibration or as per USEPA 1633 limits where listed. PFOS is quantified using a certified, traceable standard consisting of linear and branched PFOS isomers. These practices are in line with recommendations in the National Environmental Management Plan for PFAS and also conform to QSM 5.4 (US DoD) requirements.

Page : 3 of 11
 Work Order : EM2606944
 Client : FYFE PTY LTD
 Project : 82257-1



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QC6	QC8	----	----	----
Sampling date / time					17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----
Compound	CAS Number	LOR	Unit	EM2606944-001	EM2606944-002	-----	-----	-----	-----
				Result	Result	----	----	----	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%	6.1	17.6	----	----	----	----
EG005(ED093)T: Total Metals by ICP-AES									
Arsenic	7440-38-2	5	mg/kg	<5	<5	----	----	----	----
Barium	7440-39-3	10	mg/kg	----	90	----	----	----	----
Beryllium	7440-41-7	1	mg/kg	----	1	----	----	----	----
Cadmium	7440-43-9	1	mg/kg	<1	<1	----	----	----	----
Chromium	7440-47-3	2	mg/kg	3	41	----	----	----	----
Cobalt	7440-48-4	2	mg/kg	----	11	----	----	----	----
Copper	7440-50-8	5	mg/kg	<5	16	----	----	----	----
Iron	7439-89-6	50	mg/kg	----	36100	----	----	----	----
Lead	7439-92-1	5	mg/kg	6	21	----	----	----	----
Manganese	7439-96-5	5	mg/kg	----	223	----	----	----	----
Nickel	7440-02-0	2	mg/kg	<2	22	----	----	----	----
Silver	7440-22-4	2	mg/kg	----	<2	----	----	----	----
Zinc	7440-66-6	5	mg/kg	12	34	----	----	----	----
EG035T: Total Recoverable Mercury by FIMS									
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	----	----	----	----
EG048: Hexavalent Chromium (Alkaline Digest)									
Hexavalent Chromium	18540-29-9	0.5	mg/kg	----	<0.5	----	----	----	----
EG049: Trivalent Chromium									
Trivalent Chromium	16065-83-1	2	mg/kg	----	41	----	----	----	----
EK026SF: Total CN by Segmented Flow Analyser									
Total Cyanide	57-12-5	1	mg/kg	----	<1	----	----	----	----
EP066: Polychlorinated Biphenyls (PCB)									
Total Polychlorinated biphenyls	----	0.1	mg/kg	----	<0.1	----	----	----	----
EP068A: Organochlorine Pesticides (OC)									
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	----	----	----	----

Page : 4 of 11
 Work Order : EM2606944
 Client : FYFE PTY LTD
 Project : 82257-1



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

				QC6	QC8	----	----	----
Sampling date / time				17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----
Compound	CAS Number	LOR	Unit	EM2606944-001	EM2606944-002	-----	-----	-----
Result				Result	Result	----	----	----

EP068A: Organochlorine Pesticides (OC) - Continued

Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	----	----	----
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	----	----	----
gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg	<0.05	<0.05	----	----	----
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	----	----	----
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	----	----	----
^ Total Chlordane (sum)	-----	0.05	mg/kg	<0.05	<0.05	----	----	----
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	----	----	----
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	----	----	----
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	----	----	----
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	----	----	----
4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	----	----	----
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	----	----	----
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	----	----	----
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	<0.05	----	----	----
4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	----	----	----
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	----	----	----
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	----	----	----
4,4'-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	----	----	----
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	----	----	----
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	----	----	----
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	<0.05	----	----	----
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/50-29-3	0.05	mg/kg	<0.05	<0.05	----	----	----

EP068B: Organophosphorus Pesticides (OP)

Dichlorvos	62-73-7	0.05	mg/kg	<0.05	----	----	----	----
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Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

				QC6	QC8	----	----	----
Sampling date / time				17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----
Compound	CAS Number	LOR	Unit	EM2606944-001	EM2606944-002	-----	-----	-----
Result				Result	Result	----	----	----

EP068B: Organophosphorus Pesticides (OP) - Continued

Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	----	----	----	----
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	----	----	----	----
Dimethoate	60-51-5	0.05	mg/kg	<0.05	----	----	----	----
Diazinon	333-41-5	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	----	----	----	----
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	----	----	----	----
Malathion	121-75-5	0.05	mg/kg	<0.05	----	----	----	----
Fenthion	55-38-9	0.05	mg/kg	<0.05	----	----	----	----
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	----	----	----	----
Parathion	56-38-2	0.2	mg/kg	<0.2	----	----	----	----
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	----	----	----	----
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	----	----	----	----
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	----	----	----	----
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	----	----	----	----
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	----	----	----	----
Ethion	563-12-2	0.05	mg/kg	<0.05	----	----	----	----
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	----	----	----	----
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	----	----	----	----

EP074E: Halogenated Aliphatic Compounds

Tetrachloroethene	127-18-4	0.5	mg/kg	----	<0.5	----	----	----
-------------------	----------	-----	-------	------	------	------	------	------

EP075(SIM)A: Phenolic Compounds

Phenol	108-95-2	0.5	mg/kg	----	<0.5	----	----	----
2-Chlorophenol	95-57-8	0.5	mg/kg	----	<0.5	----	----	----
2-Methylphenol	95-48-7	0.5	mg/kg	----	<0.5	----	----	----
3- & 4-Methylphenol	1319-77-3	1	mg/kg	----	<1	----	----	----
2-Nitrophenol	88-75-5	0.5	mg/kg	----	<0.5	----	----	----
2,4-Dimethylphenol	105-67-9	0.5	mg/kg	----	<0.5	----	----	----



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QC6	QC8	----	----	----
Sampling date / time				17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----	
Compound	CAS Number	LOR	Unit	EM2606944-001	EM2606944-002	-----	-----	-----	
				Result	Result	----	----	----	
EP075(SIM)A: Phenolic Compounds - Continued									
2,4-Dichlorophenol	120-83-2	0.5	mg/kg	----	<0.5	----	----	----	
2,6-Dichlorophenol	87-65-0	0.5	mg/kg	----	<0.5	----	----	----	
4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	----	<0.5	----	----	----	
2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	----	<0.5	----	----	----	
2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	----	<0.5	----	----	----	
Pentachlorophenol	87-86-5	2	mg/kg	----	<2	----	----	----	
^ Sum of Phenols	----	0.5	mg/kg	----	<0.5	----	----	----	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	----	----	----	
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	----	----	----	
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	----	----	----	
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	----	----	----	
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	----	----	----	
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	----	----	----	
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	----	----	----	
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	----	----	----	
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	----	----	----	
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	----	----	----	
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	----	----	----	
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	----	----	----	
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	----	----	----	
Indeno(1,2,3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	----	----	----	
Dibenz(a,h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	----	----	----	
Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	----	----	----	
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	----	----	----	
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	----	----	----	
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	0.6	0.6	----	----	----	



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	QC6	QC8	----	----	----
Sampling date / time					17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----
Compound	CAS Number	LOR	Unit		EM2606944-001	EM2606944-002	-----	-----	-----
				Result	Result		----	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued									
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg		1.2	1.2	----	----	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	----	----	----
C10 - C14 Fraction	----	50	mg/kg		<50	<50	----	----	----
C15 - C28 Fraction	----	100	mg/kg		<100	<100	----	----	----
C29 - C36 Fraction	----	100	mg/kg		<100	<100	----	----	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg		<50	<50	----	----	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	----	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	----	----	----
>C10 - C16 Fraction	----	50	mg/kg		<50	<50	----	----	----
>C16 - C34 Fraction	----	100	mg/kg		<100	<100	----	----	----
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	----	----	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	<50	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	<50	----	----	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	----	----	----
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	----	----	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	----	----	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	----	----	----
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	----	----	----
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	----	----	----
Naphthalene	91-20-3	1	mg/kg		<1	<1	----	----	----
EP231A: Perfluoroalkyl Sulfonic Acids									
Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.0005	mg/kg		---	<0.0005	----	----	----



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

				QC6	QC8	----	----	----
Sampling date / time				17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----
Compound	CAS Number	LOR	Unit	EM2606944-001	EM2606944-002	-----	-----	-----
				Result	Result	----	----	----

EP231A: Perfluoroalkyl Sulfonic Acids - Continued

Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	----	<0.0002	----	----	----

EP231B: Perfluoroalkyl Carboxylic Acids

Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	----	<0.001	----	----	----
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	----	<0.0002	----	----	----
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	----	<0.0005	----	----	----

EP231C: Perfluoroalkyl Sulfonamides

Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	----	<0.0002	----	----	----
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Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

				QC6	QC8	----	----	----
Sampling date / time				17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----
Compound	CAS Number	LOR	Unit	EM2606944-001	EM2606944-002	-----	-----	-----
				Result	Result	----	----	----

EP231C: Perfluoroalkyl Sulfonamides - Continued

N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	----	<0.0005	----	----	----
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	----	<0.0005	----	----	----
N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	----	<0.0005	----	----	----
N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	----	<0.0005	----	----	----
N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	----	<0.0002	----	----	----
N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	----	<0.0002	----	----	----

EP231D: (n:2) Fluorotelomer Sulfonic Acids

4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	----	<0.0005	----	----	----
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	----	<0.0005	----	----	----
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	----	<0.0005	----	----	----
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	----	<0.0005	----	----	----

EP231P: PFAS Sums

Sum of PFAS	----	0.0002	mg/kg	----	<0.0002	----	----	----
Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	----	<0.0002	----	----	----
Sum of PFAS (WA DER List)	----	0.0002	mg/kg	----	<0.0002	----	----	----

EP066S: PCB Surrogate

Decachlorobiphenyl	2051-24-3	0.1	%	----	85.7	----	----	----
--------------------	-----------	-----	---	------	------	------	------	------

EP068S: Organochlorine Pesticide Surrogate

Dibromo-DDE	21655-73-2	0.05	%	103	95.3	----	----	----
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EP068T: Organophosphorus Pesticide Surrogate

Page : 10 of 11
 Work Order : EM2606944
 Client : FYFE PTY LTD
 Project : 82257-1



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

				QC6	QC8	----	----	----
Sampling date / time				17-Apr-2026 00:00	17-Apr-2026 00:00	----	----	----
Compound	CAS Number	LOR	Unit	EM2606944-001	EM2606944-002	-----	-----	-----
Result				Result	Result	----	----	----
EP068T: Organophosphorus Pesticide Surrogate - Continued								
DEF	78-48-8	0.05	%	105	89.2	----	----	----
EP074S: VOC Surrogates								
1,2-Dichloroethane-D4	17060-07-0	0.5	%	----	87.2	----	----	----
Toluene-D8	2037-26-5	0.5	%	----	99.3	----	----	----
4-Bromofluorobenzene	460-00-4	0.5	%	----	101	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	0.5	%	86.4	86.9	----	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%	69.8	70.6	----	----	----
2,4,6-Tribromophenol	118-79-6	0.5	%	65.0	69.1	----	----	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	84.7	89.3	----	----	----
Anthracene-d10	1719-06-8	0.5	%	96.1	100	----	----	----
4-Terphenyl-d14	1718-51-0	0.5	%	86.5	91.3	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1,2-Dichloroethane-D4	17060-07-0	0.2	%	82.1	93.8	----	----	----
Toluene-D8	2037-26-5	0.2	%	83.7	95.7	----	----	----
4-Bromofluorobenzene	460-00-4	0.2	%	92.3	106	----	----	----
EP231S: PFAS Surrogate								
13C4-PFOS	----	0.0002	%	----	92.1	----	----	----
13C8-PFOA	----	0.0002	%	----	93.6	----	----	----

Page : 11 of 11
 Work Order : EM2606944
 Client : FYFE PTY LTD
 Project : 82257-1



Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	36	140
EP068S: Organochlorine Pesticide Surrogate			
Dibromo-DDE	21655-73-2	62	128
EP068T: Organophosphorus Pesticide Surrogate			
DEF	78-48-8	40	139
EP074S: VOC Surrogates			
1,2-Dichloroethane-D4	17060-07-0	62	122
Toluene-D8	2037-26-5	64	120
4-Bromofluorobenzene	460-00-4	66	124
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	54	125
2-Chlorophenol-D4	93951-73-6	65	123
2,4,6-Tribromophenol	118-79-6	34	122
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	61	125
Anthracene-d10	1719-06-8	62	130
4-Terphenyl-d14	1718-51-0	67	133
EP080S: TPH(V)/BTEX Surrogates			
1,2-Dichloroethane-D4	17060-07-0	51	125
Toluene-D8	2037-26-5	55	125
4-Bromofluorobenzene	460-00-4	56	124
EP231S: PFAS Surrogate			
13C4-PFOS	----	68	136
13C8-PFOA	----	69	133



QUALITY CONTROL REPORT

Work Order : **EM2606944**

Page : 1 of 16

Client : **FYFE PTY LTD**

Laboratory : Environmental Division Melbourne

Contact : **NATASHA VELLA**

Contact : Kieren Burns

Address : **LEVEL 1, 124 SOUTH TERRACE
ADELAIDE SOUTH AUSTRALIA 5000**

Address : 4 Westall Rd Springvale VIC Australia 3171

Telephone : ----

Telephone : +61881625130

Project : **82257-1**

Date Samples Received : 21-Apr-2026

Order number : ----

Date Analysis Commenced : 21-Apr-2026

C-O-C number : ----

Issue Date : 24-Apr-2026

Sampler : **CAB**

Site : ----

Quote number : **EN/111**

No. of samples received : **2**

No. of samples analysed : **2**



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Nancy Wang	2IC Organic Chemist	Melbourne Inorganics, Springvale, VIC
Nancy Wang	2IC Organic Chemist	Melbourne Organics, Springvale, VIC
Nikki Stepniewski	Senior Inorganic Instrument Chemist	Melbourne Inorganics, Springvale, VIC



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key : Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot

CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

RPD = Relative Percentage Difference

= Indicates failed QC

* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **SOIL**

				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 7351982)									
EM2606944-001	QC6	EG005T: Beryllium	7440-41-7	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Barium	7440-39-3	10	mg/kg	10	<10	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	3	3	0.0	No Limit
		EG005T: Cobalt	7440-48-4	2	mg/kg	<2	<2	0.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	<2	<2	0.0	No Limit
		EG005T: Silver	7440-22-4	2	mg/kg	<2	<2	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Copper	7440-50-8	5	mg/kg	<5	<5	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	6	5	0.0	No Limit
		EG005T: Manganese	7439-96-5	5	mg/kg	29	23	24.1	No Limit
		EG005T: Zinc	7440-66-6	5	mg/kg	12	13	11.7	No Limit
		EG005T: Iron	7439-89-6	50	mg/kg	3640	3830	5.3	0% - 20%
EM2606971-001	Anonymous	EG005T: Beryllium	7440-41-7	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Cadmium	7440-43-9	1	mg/kg	<1	<1	0.0	No Limit
		EG005T: Barium	7440-39-3	10	mg/kg	40	40	0.0	No Limit
		EG005T: Chromium	7440-47-3	2	mg/kg	15	16	0.0	No Limit
		EG005T: Cobalt	7440-48-4	2	mg/kg	6	6	0.0	No Limit
		EG005T: Nickel	7440-02-0	2	mg/kg	12	12	0.0	No Limit
		EG005T: Silver	7440-22-4	2	mg/kg	<2	<2	0.0	No Limit
		EG005T: Arsenic	7440-38-2	5	mg/kg	<5	<5	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EG005(ED093)T: Total Metals by ICP-AES (QC Lot: 7351982) - continued									
EM2606971-001	Anonymous	EG005T: Copper	7440-50-8	5	mg/kg	8	8	0.0	No Limit
		EG005T: Lead	7439-92-1	5	mg/kg	8	9	0.0	No Limit
		EG005T: Manganese	7439-96-5	5	mg/kg	167	178	6.0	0% - 20%
		EG005T: Zinc	7440-66-6	5	mg/kg	47	46	0.0	No Limit
		EG005T: Iron	7439-89-6	50	mg/kg	10700	11400	7.1	0% - 20%
EA055: Moisture Content (Dried @ 105-110°C) (QC Lot: 7351430)									
EM2606934-001	Anonymous	EA055: Moisture Content	----	0.1	%	10.2	10.9	6.4	0% - 20%
EM2606945-002	Anonymous	EA055: Moisture Content	----	0.1 (1.0)*	%	18.8	18.1	3.7	0% - 50%
EG035T: Total Recoverable Mercury by FIMS (QC Lot: 7351981)									
EM2606944-001	QC6	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EM2606971-001	Anonymous	EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EG048: Hexavalent Chromium (Alkaline Digest) (QC Lot: 7351972)									
EM2606834-017	Anonymous	EG048G: Hexavalent Chromium	18540-29-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EK026SF: Total CN by Segmented Flow Analyser (QC Lot: 7355375)									
EM2606858-003	Anonymous	EK026SF: Total Cyanide	57-12-5	1	mg/kg	<1	<1	0.0	No Limit
EM2606971-001	Anonymous	EK026SF: Total Cyanide	57-12-5	1	mg/kg	1	1	0.0	No Limit
EP066: Polychlorinated Biphenyls (PCB) (QC Lot: 7351940)									
EM2606942-001	Anonymous	EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	<0.1	0.0	No Limit
EP068A: Organochlorine Pesticides (OC) (QC Lot: 7351939)									
EM2606941-001	Anonymous	EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4'-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP068A: Organochlorine Pesticides (OC) (QC Lot: 7351939) - continued									
EM2606941-001	Anonymous	EP068: Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: 4,4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP068B: Organophosphorus Pesticides (OP) (QC Lot: 7351939)									
EM2606941-001	Anonymous	EP068: Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	0.0	No Limit
		EP068: Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP068: Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
EP074E: Halogenated Aliphatic Compounds (QC Lot: 7351454)									
EM2606944-002	QC8	EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP075(SIM)A: Phenolic Compounds (QC Lot: 7351937)									
EM2606941-001	Anonymous	EP075(SIM): Phenol	108-95-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): 3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	<1	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP075(SIM)A: Phenolic Compounds (QC Lot: 7351937) - continued									
EM2606941-001	Anonymous	EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	<2	0.0	No Limit
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QC Lot: 7351937)									
EM2606941-001	Anonymous	EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(b+j)fluoranthene	205-99-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
			205-82-3						
		EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Dibenzo(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP075(SIM): Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7351453)									
EM2606803-015	Anonymous	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EM2606944-002	QC8	EP080: C6 - C9 Fraction	----	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7351938)									
EM2606941-001	Anonymous	EP071: C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 7351453)									
EM2606803-015	Anonymous	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EM2606944-002	QC8	EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 7351938)									
EM2606941-001	Anonymous	EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	<100	0.0	No Limit
		EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	<50	0.0	No Limit
EP080: BTEXN (QC Lot: 7351453)									
EM2606803-015	Anonymous	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)	
EP080: BTEXN (QC Lot: 7351453) - continued										
EM2606803-015	Anonymous	EP080: meta- & para-Xylene	108-38-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit	
			106-42-3							
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit	
		EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.0	No Limit	
EM2606944-002	QC8	EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0	No Limit	
		EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit	
		EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	0.0	No Limit	
		EP080: meta- & para-Xylene	108-38-3	0.5	mg/kg	<0.5	<0.5	0.0	No Limit	
			106-42-3							
		EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	0.0	No Limit	
		EP080: Naphthalene	91-20-3	1	mg/kg	<1	<1	0.0	No Limit	
EP231A: Perfluoroalkyl Sulfonic Acids (QC Lot: 7355195)										
EM2606598-001	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit	
EM2606616-051	Anonymous	EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit	
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 7355195)										
EM2606598-001	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit	



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231B: Perfluoroalkyl Carboxylic Acids (QC Lot: 7355195) - continued									
EM2606598-001	Anonymous	EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EM2606616-051	Anonymous	EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	<0.001	0.0	No Limit
EP231C: Perfluoroalkyl Sulfonamides (QC Lot: 7355195)									
EM2606598-001	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EM2606616-051	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit



Sub-Matrix: SOIL				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QC Lot: 7355195)									
EM2606598-001	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EM2606616-051	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	<0.0005	0.0	No Limit
EP231P: PFAS Sums (QC Lot: 7355195)									
EM2606598-001	Anonymous	EP231X: Sum of PFAS	----	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Sum of PFAS (WA DER List)	----	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
EM2606616-051	Anonymous	EP231X: Sum of PFAS	----	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Sum of PFHxS and PFOS	355-46-4/1763-23-1	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit
		EP231X: Sum of PFAS (WA DER List)	----	0.0002	mg/kg	<0.0002	<0.0002	0.0	No Limit



Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **SOIL**

Sub-Matrix: SOIL				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%) Low High	
Method: Compound	CAS Number	LOR	Unit	Result				
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 7351982)								
EG005T: Arsenic	7440-38-2	5	mg/kg	<5	43 mg/kg	90.9	70.0	130
EG005T: Barium	7440-39-3	10	mg/kg	<10	324 mg/kg	96.8	70.0	130
EG005T: Beryllium	7440-41-7	1	mg/kg	<1	----	----	----	----
EG005T: Cadmium	7440-43-9	1	mg/kg	<1	3 mg/kg	109	70.0	130
EG005T: Chromium	7440-47-3	2	mg/kg	<2	84 mg/kg	84.7	70.0	130
EG005T: Cobalt	7440-48-4	2	mg/kg	<2	14.8 mg/kg	94.1	70.0	130
EG005T: Copper	7440-50-8	5	mg/kg	<5	185 mg/kg	92.7	70.0	130
EG005T: Iron	7439-89-6	50	mg/kg	<50	42405 mg/kg	102	70.0	130
EG005T: Lead	7439-92-1	5	mg/kg	<5	153 mg/kg	85.9	70.0	130
EG005T: Manganese	7439-96-5	5	mg/kg	<5	644 mg/kg	96.2	70.0	130
EG005T: Nickel	7440-02-0	2	mg/kg	<2	55.9 mg/kg	85.3	70.0	130
EG005T: Silver	7440-22-4	2	mg/kg	<2	----	----	----	----
EG005T: Zinc	7440-66-6	5	mg/kg	<5	358 mg/kg	95.6	70.0	130
EG035T: Total Recoverable Mercury by FIMS (QCLot: 7351981)								
EG035T: Mercury	7439-97-6	0.1	mg/kg	<0.1	0.64 mg/kg	94.5	69.0	128
EG048: Hexavalent Chromium (Alkaline Digest) (QCLot: 7351972)								
EG048G: Hexavalent Chromium	18540-29-9	0.5	mg/kg	<0.5	20 mg/kg	71.9	70.0	130
EK026SF: Total CN by Segmented Flow Analyser (QCLot: 7355375)								
EK026SF: Total Cyanide	57-12-5	1	mg/kg	<1	20 mg/kg	79.6	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 7351940)								
EP066: Total Polychlorinated biphenyls	----	0.1	mg/kg	<0.1	1 mg/kg	117	68.0	133
EP068A: Organochlorine Pesticides (OC) (QCLot: 7351939)								
EP068: alpha-BHC	319-84-6	0.05	mg/kg	<0.05	0.5 mg/kg	84.9	71.8	126
EP068: Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	0.5 mg/kg	85.3	72.2	125
EP068: beta-BHC	319-85-7	0.05	mg/kg	<0.05	0.5 mg/kg	86.5	70.0	124
EP068: gamma-BHC - (Lindane)	58-89-9	0.05	mg/kg	<0.05	0.5 mg/kg	84.9	69.1	124
EP068: delta-BHC	319-86-8	0.05	mg/kg	<0.05	0.5 mg/kg	83.8	69.2	125
EP068: Heptachlor	76-44-8	0.05	mg/kg	<0.05	0.5 mg/kg	87.7	66.6	122
EP068: Aldrin	309-00-2	0.05	mg/kg	<0.05	0.5 mg/kg	83.6	68.8	123
EP068: Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	0.5 mg/kg	86.7	67.2	124



Sub-Matrix: SOIL				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%) Low High	
Method: Compound	CAS Number	LOR	Unit	Result				
EP074E: Halogenated Aliphatic Compounds (QCLot: 7351454) - continued								
EP074: Tetrachloroethene	127-18-4	0.5	mg/kg	<0.5	1 mg/kg	85.8	65.6	117
EP075(SIM)A: Phenolic Compounds (QCLot: 7351937)								
EP075(SIM): Phenol	108-95-2	0.5	mg/kg	<0.5	3 mg/kg	91.3	81.2	121
EP075(SIM): 2-Chlorophenol	95-57-8	0.5	mg/kg	<0.5	3 mg/kg	90.2	83.2	120
EP075(SIM): 2-Methylphenol	95-48-7	0.5	mg/kg	<0.5	3 mg/kg	90.4	81.6	123
EP075(SIM): 3- & 4-Methylphenol	1319-77-3	1	mg/kg	<1	6 mg/kg	91.2	79.7	129
EP075(SIM): 2-Nitrophenol	88-75-5	0.5	mg/kg	<0.5	3 mg/kg	85.4	49.8	129
EP075(SIM): 2,4-Dimethylphenol	105-67-9	0.5	mg/kg	<0.5	3 mg/kg	85.6	81.5	127
EP075(SIM): 2,4-Dichlorophenol	120-83-2	0.5	mg/kg	<0.5	3 mg/kg	87.3	74.2	125
EP075(SIM): 2,6-Dichlorophenol	87-65-0	0.5	mg/kg	<0.5	3 mg/kg	89.6	79.8	121
EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	0.5	mg/kg	<0.5	3 mg/kg	86.7	71.5	121
EP075(SIM): 2,4,6-Trichlorophenol	88-06-2	0.5	mg/kg	<0.5	3 mg/kg	80.1	67.8	119
EP075(SIM): 2,4,5-Trichlorophenol	95-95-4	0.5	mg/kg	<0.5	3 mg/kg	83.2	64.5	126
EP075(SIM): Pentachlorophenol	87-86-5	2	mg/kg	<2	6 mg/kg	26.6	10.0	118
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7351937)								
EP075(SIM): Naphthalene	91-20-3	0.5	mg/kg	<0.5	3 mg/kg	92.0	85.7	123
EP075(SIM): Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	3 mg/kg	89.4	81.0	123
EP075(SIM): Acenaphthene	83-32-9	0.5	mg/kg	<0.5	3 mg/kg	91.9	83.6	120
EP075(SIM): Fluorene	86-73-7	0.5	mg/kg	<0.5	3 mg/kg	90.3	81.3	126
EP075(SIM): Phenanthrene	85-01-8	0.5	mg/kg	<0.5	3 mg/kg	93.7	79.4	123
EP075(SIM): Anthracene	120-12-7	0.5	mg/kg	<0.5	3 mg/kg	94.7	81.7	127
EP075(SIM): Fluoranthene	206-44-0	0.5	mg/kg	<0.5	3 mg/kg	92.6	78.3	124
EP075(SIM): Pyrene	129-00-0	0.5	mg/kg	<0.5	3 mg/kg	91.4	79.9	128
EP075(SIM): Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	3 mg/kg	90.1	76.9	123
EP075(SIM): Chrysene	218-01-9	0.5	mg/kg	<0.5	3 mg/kg	93.9	80.9	130
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	3 mg/kg	84.3	70.0	121
EP075(SIM): Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	3 mg/kg	85.6	80.4	130
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	3 mg/kg	81.2	70.2	123
EP075(SIM): Indeno(1,2,3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	3 mg/kg	84.9	67.9	122
EP075(SIM): Dibenz(a,h)anthracene	53-70-3	0.5	mg/kg	<0.5	3 mg/kg	84.8	65.8	123
EP075(SIM): Benzo(g,h,i)perylene	191-24-2	0.5	mg/kg	<0.5	3 mg/kg	85.0	65.8	127
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7351453)								
EP080: C6 - C9 Fraction	----	10	mg/kg	<10	36 mg/kg	84.7	58.6	131



Sub-Matrix: SOIL				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%) Low High	
Method: Compound	CAS Number	LOR	Unit	Result				
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7351938)								
EP071: C10 - C14 Fraction	----	50	mg/kg	<50	650 mg/kg	94.5	80.0	120
EP071: C15 - C28 Fraction	----	100	mg/kg	<100	2910 mg/kg	93.4	80.0	120
EP071: C29 - C36 Fraction	----	100	mg/kg	<100	1550 mg/kg	92.6	80.0	120
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7351453)								
EP080: C6 - C10 Fraction	C6_C10	10	mg/kg	<10	45 mg/kg	92.1	59.3	128
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7351938)								
EP071: >C10 - C16 Fraction	----	50	mg/kg	<50	920 mg/kg	94.3	80.0	120
EP071: >C16 - C34 Fraction	----	100	mg/kg	<100	3920 mg/kg	93.4	80.0	120
EP071: >C34 - C40 Fraction	----	100	mg/kg	<100	370 mg/kg	92.7	80.0	120
EP080: BTEXN (QCLot: 7351453)								
EP080: Benzene	71-43-2	0.2	mg/kg	<0.2	2 mg/kg	83.7	61.6	117
EP080: Toluene	108-88-3	0.5	mg/kg	<0.5	2 mg/kg	84.7	65.8	125
EP080: Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	2 mg/kg	87.0	65.8	124
EP080: meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	4 mg/kg	90.2	64.8	134
EP080: ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	2 mg/kg	88.6	68.7	132
EP080: Naphthalene	91-20-3	1	mg/kg	<1	0.5 mg/kg	77.3	61.8	123
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 7355195)								
EP231X: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.0005	mg/kg	<0.0005	0.00125 mg/kg	92.3	70.0	130
EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.0002	mg/kg	<0.0002	0.00111 mg/kg	97.2	72.0	128
EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.0002	mg/kg	<0.0002	0.00118 mg/kg	104	73.0	123
EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.0002	mg/kg	<0.0002	0.00114 mg/kg	97.9	67.0	130
EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.0002	mg/kg	<0.0002	0.00119 mg/kg	107	70.0	132
EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.0002	mg/kg	<0.0002	0.00116 mg/kg	92.5	68.0	136
EP231X: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	88.1	69.0	125
EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.0002	mg/kg	<0.0002	0.00121 mg/kg	84.7	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 7355195)								
EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.001	mg/kg	<0.001	0.00625 mg/kg	96.4	71.0	135
EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.0002	mg/kg	<0.0002	0.00125 mg/kg	96.9	69.0	132
EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.0002	mg/kg	<0.0002	0.00125 mg/kg	94.2	70.0	132
EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.1	71.0	131
EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.7	69.0	133
EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.2	72.0	129
EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.0002	mg/kg	<0.0002	0.00125 mg/kg	91.0	69.0	133



Sub-Matrix: SOIL				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%) Low High	
Method: <i>Compound</i>	CAS Number	LOR	Unit	Result				
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 7355195) - continued								
EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.7	64.0	136
EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.0002	mg/kg	<0.0002	0.00125 mg/kg	87.4	69.0	135
EP231X: Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.0002	mg/kg	<0.0002	0.00125 mg/kg	86.5	66.0	139
EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	96.7	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 7355195)								
EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	97.9	67.0	137
EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.0005	mg/kg	<0.0005	0.00312 mg/kg	99.9	70.0	130
EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	93.9	70.0	130
EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.0005	mg/kg	<0.0005	0.00312 mg/kg	95.5	70.0	130
EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.0005	mg/kg	<0.0005	0.00312 mg/kg	101	70.0	130
EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.0002	mg/kg	<0.0002	0.00125 mg/kg	98.5	63.0	144
EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.0002	mg/kg	<0.0002	0.00125 mg/kg	93.3	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 7355195)								
EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.0005	mg/kg	<0.0005	0.00117 mg/kg	99.8	62.0	145
EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.0005	mg/kg	<0.0005	0.00119 mg/kg	92.4	64.0	140
EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0005	mg/kg	<0.0005	0.0012 mg/kg	103	65.0	137
EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.0005	mg/kg	<0.0005	0.00121 mg/kg	106	70.0	130
EP231P: PFAS Sums (QCLot: 7355195)								
EP231X: Sum of PFAS	----	0.0002	mg/kg	<0.0002	----	----	----	----
EP231X: Sum of PFHxS and PFOS	355-46-4/17 63-23-1	0.0002	mg/kg	<0.0002	----	----	----	----
EP231X: Sum of PFAS (WA DER List)	----	0.0002	mg/kg	<0.0002	----	----	----	----

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: SOIL				Matrix Spike (MS) Report			
				Spike	Spike Recovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 7351982)							
EM2606944-002	QC8	EG005T: Arsenic	7440-38-2	50 mg/kg	92.2	78.0	124
		EG005T: Cadmium	7440-43-9	50 mg/kg	86.9	79.7	116



Sub-Matrix: SOIL				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EG005(ED093)T: Total Metals by ICP-AES (QCLot: 7351982) - continued							
EM2606944-002	QC8	EG005T: Chromium	7440-47-3	50 mg/kg	88.8	79.0	121
		EG005T: Copper	7440-50-8	250 mg/kg	104	80.0	120
		EG005T: Lead	7439-92-1	250 mg/kg	89.2	80.0	120
		EG005T: Nickel	7440-02-0	50 mg/kg	87.0	78.0	120
		EG005T: Zinc	7440-66-6	250 mg/kg	84.7	80.0	120
EG035T: Total Recoverable Mercury by FIMS (QCLot: 7351981)							
EM2606944-002	QC8	EG035T: Mercury	7439-97-6	0.5 mg/kg	103	70.0	130
EG048: Hexavalent Chromium (Alkaline Digest) (QCLot: 7351972)							
EM2606834-018	Anonymous	EG048G: Hexavalent Chromium	18540-29-9	20 mg/kg	66.9	58.0	114
EM2606834-018	Anonymous	EG048G: Hexavalent Chromium	18540-29-9	20 mg/kg	76.6	58.0	114
EK026SF: Total CN by Segmented Flow Analyser (QCLot: 7355375)							
EM2606858-004	Anonymous	EK026SF: Total Cyanide	57-12-5	20 mg/kg	87.7	70.0	130
EP066: Polychlorinated Biphenyls (PCB) (QCLot: 7351940)							
EM2606944-002	QC8	EP066: Total Polychlorinated biphenyls	----	1 mg/kg	107	63.2	144
EP068A: Organochlorine Pesticides (OC) (QCLot: 7351939)							
EM2606941-002	Anonymous	EP068: gamma-BHC - (Lindane)	58-89-9	0.5 mg/kg	91.5	51.4	139
		EP068: Heptachlor	76-44-8	0.5 mg/kg	90.3	49.1	130
		EP068: Aldrin	309-00-2	0.5 mg/kg	87.8	38.4	135
		EP068: Dieldrin	60-57-1	0.5 mg/kg	90.5	58.4	136
		EP068: Endrin	72-20-8	0.5 mg/kg	96.0	33.0	146
		EP068: 4,4'-DDT	50-29-3	0.5 mg/kg	80.7	20.0	133
EP068B: Organophosphorus Pesticides (OP) (QCLot: 7351939)							
EM2606941-002	Anonymous	EP068: Diazinon	333-41-5	0.5 mg/kg	92.6	65.1	135
		EP068: Chlorpyrifos-methyl	5598-13-0	0.5 mg/kg	83.7	56.3	127
		EP068: Pirimphos-ethyl	23505-41-1	0.5 mg/kg	88.7	55.0	133
		EP068: Bromophos-ethyl	4824-78-6	0.5 mg/kg	94.2	55.1	133
		EP068: Prothiofos	34643-46-4	0.5 mg/kg	86.4	43.8	128
EP075(SIM)A: Phenolic Compounds (QCLot: 7351937)							
EM2606941-002	Anonymous	EP075(SIM): Phenol	108-95-2	3 mg/kg	90.4	77.1	119
		EP075(SIM): 2-Chlorophenol	95-57-8	3 mg/kg	97.6	78.9	123
		EP075(SIM): 2-Nitrophenol	88-75-5	3 mg/kg	98.1	43.8	136
		EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	3 mg/kg	85.4	61.5	120
		EP075(SIM): Pentachlorophenol	87-86-5	3 mg/kg	91.6	15.3	139
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7351937)							
EM2606941-002	Anonymous	EP075(SIM): Acenaphthene	83-32-9	3 mg/kg	97.9	77.2	116
		EP075(SIM): Pyrene	129-00-0	3 mg/kg	98.2	65.5	136



Sub-Matrix: SOIL				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7351453)							
EM2606803-017	Anonymous	EP080: C6 - C9 Fraction	----	28 mg/kg	91.7	33.4	124
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7351938)							
EM2606941-001	Anonymous	EP071: C10 - C14 Fraction	----	650 mg/kg	91.8	70.0	130
		EP071: C15 - C28 Fraction	----	2910 mg/kg	91.5	70.0	130
		EP071: C29 - C36 Fraction	----	1550 mg/kg	91.4	70.0	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7351453)							
EM2606803-017	Anonymous	EP080: C6 - C10 Fraction	C6_C10	33 mg/kg	96.7	30.8	120
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7351938)							
EM2606941-001	Anonymous	EP071: >C10 - C16 Fraction	----	920 mg/kg	91.9	70.0	130
		EP071: >C16 - C34 Fraction	----	3920 mg/kg	91.7	70.0	130
		EP071: >C34 - C40 Fraction	----	370 mg/kg	93.7	70.0	130
EP080: BTEXN (QCLot: 7351453)							
EM2606803-017	Anonymous	EP080: Benzene	71-43-2	2 mg/kg	103	54.4	127
		EP080: Toluene	108-88-3	2 mg/kg	104	57.1	131
EP231A: Perfluoroalkyl Sulfonic Acids (QCLot: 7355195)							
EM2606598-007	Anonymous	EP231X: Perfluoropropane sulfonic acid (PFPrS)	423-41-6	0.00125 mg/kg	91.1	70.0	130
		EP231X: Perfluorobutane sulfonic acid (PFBS)	375-73-5	0.00111 mg/kg	94.7	72.0	128
		EP231X: Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	0.00118 mg/kg	101	73.0	123
		EP231X: Perfluorohexane sulfonic acid (PFHxS)	355-46-4	0.00114 mg/kg	92.6	67.0	130
		EP231X: Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	0.00119 mg/kg	96.7	70.0	132
		EP231X: Perfluorooctane sulfonic acid (PFOS)	1763-23-1	0.00116 mg/kg	81.2	68.0	136
		EP231X: Perfluorononane sulfonic acid (PFNS)	68259-12-1	0.00125 mg/kg	88.3	69.0	125
		EP231X: Perfluorodecane sulfonic acid (PFDS)	335-77-3	0.00121 mg/kg	89.0	59.0	134
EP231B: Perfluoroalkyl Carboxylic Acids (QCLot: 7355195)							
EM2606598-007	Anonymous	EP231X: Perfluorobutanoic acid (PFBA)	375-22-4	0.00625 mg/kg	98.3	71.0	135
		EP231X: Perfluoropentanoic acid (PFPeA)	2706-90-3	0.00125 mg/kg	96.5	69.0	132
		EP231X: Perfluorohexanoic acid (PFHxA)	307-24-4	0.00125 mg/kg	88.6	70.0	132
		EP231X: Perfluoroheptanoic acid (PFHpA)	375-85-9	0.00125 mg/kg	89.6	71.0	131
		EP231X: Perfluorooctanoic acid (PFOA)	335-67-1	0.00125 mg/kg	95.9	69.0	133
		EP231X: Perfluorononanoic acid (PFNA)	375-95-1	0.00125 mg/kg	86.5	72.0	129
		EP231X: Perfluorodecanoic acid (PFDA)	335-76-2	0.00125 mg/kg	91.0	69.0	133
		EP231X: Perfluoroundecanoic acid (PFUnDA)	2058-94-8	0.00125 mg/kg	96.5	64.0	136
		EP231X: Perfluorododecanoic acid (PFDoDA)	307-55-1	0.00125 mg/kg	134	69.0	135
		EP231X: Perfluorotridecanoic acid (PFTTrDA)	72629-94-8	0.00125 mg/kg	75.4	66.0	139
		EP231X: Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.00312 mg/kg	92.0	69.0	133
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 7355195)							
EM2606598-007	Anonymous	EP231X: Perfluorooctane sulfonamide (FOSA)	754-91-6	0.00125 mg/kg	89.4	67.0	137



Sub-Matrix: SOIL				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP231C: Perfluoroalkyl Sulfonamides (QCLot: 7355195) - continued							
EM2606598-007	Anonymous	EP231X: N-Methyl perfluorooctane sulfonamide (MeFOSA)	31506-32-8	0.00312 mg/kg	101	70.0	130
		EP231X: N-Ethyl perfluorooctane sulfonamide (EtFOSA)	4151-50-2	0.00312 mg/kg	101	70.0	130
		EP231X: N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	24448-09-7	0.00312 mg/kg	97.0	70.0	130
		EP231X: N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	1691-99-2	0.00312 mg/kg	98.8	70.0	130
		EP231X: N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	2355-31-9	0.00125 mg/kg	88.4	63.0	144
		EP231X: N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	2991-50-6	0.00125 mg/kg	85.4	61.0	139
EP231D: (n:2) Fluorotelomer Sulfonic Acids (QCLot: 7355195)							
EM2606598-007	Anonymous	EP231X: 4:2 Fluorotelomer sulfonic acid (4:2 FTS)	757124-72-4	0.00117 mg/kg	101	62.0	145
		EP231X: 6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	0.00119 mg/kg	85.4	64.0	140
		EP231X: 8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	0.0012 mg/kg	104	65.0	137
		EP231X: 10:2 Fluorotelomer sulfonic acid (10:2 FTS)	120226-60-0	0.00121 mg/kg	91.6	70.0	130



QA/QC Compliance Assessment to assist with Quality Review

Work Order	: EM2606944	Page	: 1 of 7
Client	: FYFE PTY LTD	Laboratory	: Environmental Division Melbourne
Contact	: NATASHA VELLA	Telephone	: +61881625130
Project	: 82257-1	Date Samples Received	: 21-Apr-2026
Site	: ----	Issue Date	: 24-Apr-2026
Sampler	: CAB	No. of samples received	: 2
Order number	: ----	No. of samples analysed	: 2

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO** Method Blank value outliers occur.
- **NO** Duplicate outliers occur.
- **NO** Laboratory Control outliers occur.
- **NO** Matrix Spike outliers occur.
- For all regular sample matrices, where applicable to the methodology, **NO** surrogate recovery outliers occur.

Outliers : Analysis Holding Time Compliance

- **NO** Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers exist - please see following pages for full details.



Outliers : Frequency of Quality Control Samples

Matrix: **SOIL**

Quality Control Sample Type		Count		Rate (%)		Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	
Matrix Spikes (MS)						
Volatile Organic Compounds	EP074	0	1	0.00	5.00	NEPM 2013 B3 & ALS QC Standard

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for VOC in soils vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **SOIL**

Evaluation: ✖ = Holding time breach ; ✔ = Within holding time.

Method	Sample Date	Extraction / Preparation			Analysis			
Container / Client Sample ID(s)		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation	
EA055: Moisture Content (Dried @ 105-110°C)								
Soil Glass Jar - Unpreserved (EA055) QC6,	QC8	17-Apr-2026	----	----	----	21-Apr-2026	01-May-2026	✓
EG005(ED093)T: Total Metals by ICP-AES								
Soil Glass Jar - Unpreserved (EG005T) QC6,	QC8	17-Apr-2026	22-Apr-2026	14-Oct-2026	✓	22-Apr-2026	14-Oct-2026	✓
EG035T: Total Recoverable Mercury by FIMS								
Soil Glass Jar - Unpreserved (EG035T) QC6,	QC8	17-Apr-2026	22-Apr-2026	15-May-2026	✓	23-Apr-2026	15-May-2026	✓
EG048: Hexavalent Chromium (Alkaline Digest)								
Soil Glass Jar - Unpreserved (EG048G) QC8		17-Apr-2026	23-Apr-2026	15-May-2026	✓	24-Apr-2026	30-Apr-2026	✓
EK026SF: Total CN by Segmented Flow Analyser								
Soil Glass Jar - Unpreserved (EK026SF) QC8		17-Apr-2026	22-Apr-2026	01-May-2026	✓	24-Apr-2026	06-May-2026	✓
EP066: Polychlorinated Biphenyls (PCB)								
Soil Glass Jar - Unpreserved (EP066) QC8		17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	31-May-2026	✓
EP068A: Organochlorine Pesticides (OC)								
Soil Glass Jar - Unpreserved (EP068) QC6,	QC8	17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	31-May-2026	✓
EP068B: Organophosphorus Pesticides (OP)								
Soil Glass Jar - Unpreserved (EP068) QC6		17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	31-May-2026	✓



Matrix: **SOIL**

Evaluation: ✖ = Holding time breach ; ✔ = Within holding time.

Method	Sample Date	Extraction / Preparation			Analysis		
Container / Client Sample ID(s)		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EP074E: Halogenated Aliphatic Compounds							
Soil Glass Jar - Unpreserved (EP074) QC8	17-Apr-2026	21-Apr-2026	24-Apr-2026	✓	22-Apr-2026	24-Apr-2026	✓
EP075(SIM)A: Phenolic Compounds							
Soil Glass Jar - Unpreserved (EP075(SIM)) QC8	17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	31-May-2026	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Soil Glass Jar - Unpreserved (EP075(SIM)) QC6, QC8	17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	31-May-2026	✓
EP080/071: Total Petroleum Hydrocarbons							
Soil Glass Jar - Unpreserved (EP080) QC6, QC8	17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	01-May-2026	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Soil Glass Jar - Unpreserved (EP080) QC6, QC8	17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	01-May-2026	✓
EP080: BTEXN							
Soil Glass Jar - Unpreserved (EP080) QC6, QC8	17-Apr-2026	21-Apr-2026	01-May-2026	✓	22-Apr-2026	01-May-2026	✓
EP231A: Perfluoroalkyl Sulfonic Acids							
HDPE Soil Jar (EP231X) QC8	17-Apr-2026	22-Apr-2026	14-Oct-2026	✓	22-Apr-2026	01-Jun-2026	✓
EP231B: Perfluoroalkyl Carboxylic Acids							
HDPE Soil Jar (EP231X) QC8	17-Apr-2026	22-Apr-2026	14-Oct-2026	✓	22-Apr-2026	01-Jun-2026	✓
EP231C: Perfluoroalkyl Sulfonamides							
HDPE Soil Jar (EP231X) QC8	17-Apr-2026	22-Apr-2026	14-Oct-2026	✓	22-Apr-2026	01-Jun-2026	✓
EP231D: (n:2) Fluorotelomer Sulfonic Acids							
HDPE Soil Jar (EP231X) QC8	17-Apr-2026	22-Apr-2026	14-Oct-2026	✓	22-Apr-2026	01-Jun-2026	✓
EP231P: PFAS Sums							
HDPE Soil Jar (EP231X) QC8	17-Apr-2026	22-Apr-2026	14-Oct-2026	✓	22-Apr-2026	01-Jun-2026	✓



Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **SOIL**

Evaluation: ✖ = Quality Control frequency not within specification ; ✔ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	Evaluation	
Laboratory Duplicates (DUP)							
Hexavalent Chromium by Alkaline Digestion and DA Finish	EG048G	1	8	12.50	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Moisture Content	EA055	2	14	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	4	25.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	2	19	10.53	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	5	20.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	50.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Cyanide by Segmented Flow Analyser	EK026SF	2	12	16.67	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	2	12	16.67	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	2	12	16.67	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	5	20.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	2	19	10.53	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	1	100.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Hexavalent Chromium by Alkaline Digestion and DA Finish	EG048G	2	8	25.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	4	25.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	5	20.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	50.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Cyanide by Segmented Flow Analyser	EK026SF	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	5	20.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Hexavalent Chromium by Alkaline Digestion and DA Finish	EG048G	1	8	12.50	5.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	4	25.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	5	20.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	50.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Cyanide by Segmented Flow Analyser	EK026SF	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	12	8.33	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	5	20.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	19	5.26	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard



Matrix: **SOIL** Evaluation: ✖ = Quality Control frequency not within specification ; ✔ = Quality Control frequency within specification .

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	Evaluation	
Matrix Spikes (MS)							
Hexavalent Chromium by Alkaline Digestion and DA Finish	EG048G	2	8	25.00	10.00	✔	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (SIM)	EP075(SIM)	1	4	25.00	5.00	✔	NEPM 2013 B3 & ALS QC Standard
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	1	19	5.26	5.00	✔	NEPM 2013 B3 & ALS QC Standard
Pesticides by GCMS	EP068	1	5	20.00	5.00	✔	NEPM 2013 B3 & ALS QC Standard
Polychlorinated Biphenyls (PCB)	EP066	1	2	50.00	5.00	✔	NEPM 2013 B3 & ALS QC Standard
Total Cyanide by Segmented Flow Analyser	EK026SF	1	12	8.33	5.00	✔	NEPM 2013 B3 & ALS QC Standard
Total Mercury by FIMS	EG035T	1	12	8.33	5.00	✔	NEPM 2013 B3 & ALS QC Standard
Total Metals by ICP-AES	EG005T	1	12	8.33	5.00	✔	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	5	20.00	5.00	✔	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	19	5.26	5.00	✔	NEPM 2013 B3 & ALS QC Standard
Volatile Organic Compounds	EP074	0	1	0.00	5.00	✖	NEPM 2013 B3 & ALS QC Standard



Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Moisture Content	EA055	SOIL	In house: A gravimetric procedure based on weight loss over a 12 hour drying period at 105-110 degrees C. This method is compliant with NEPM Schedule B(3).
Total Metals by ICP-AES	EG005T	SOIL	In house: Referenced to APHA 3120; USEPA SW 846 - 6010. Metals are determined following an appropriate acid digestion of the soil. The ICPAES technique ionises samples in a plasma, emitting a characteristic spectrum based on metals present. Intensities at selected wavelengths are compared against those of matrix matched standards. This method is compliant with NEPM Schedule B(3)
Total Mercury by FIMS	EG035T	SOIL	In house: Referenced to APHA 3112 Hg - B (Flow-injection (SnCl ₂) (Cold Vapour generation) AAS) FIM-AAS is an automated flameless atomic absorption technique. Mercury in solids are determined following an appropriate acid digestion. Ionic mercury is reduced online to atomic mercury vapour by SnCl ₂ which is then purged into a heated quartz cell. Quantification is by comparing absorbance against a calibration curve. This method is compliant with NEPM Schedule B(3)
Hexavalent Chromium by Alkaline Digestion and DA Finish	EG048G	SOIL	In house: Referenced to USEPA SW846, Method 3060. Hexavalent chromium is extracted by alkaline digestion. The digest is determined by photometrically by automatic discrete analyser, following pH adjustment. The instrument uses colour development using dephenylcarbazide. Each run of samples is measured against a five-point calibration curve. This method is compliant with NEPM Schedule B(3)
Trivalent Chromium by Alkaline Digestion and DA Finish	EG049G-Alk	SOIL	In house: Referenced to APHA 3500 Cr-A&B & 3120 and USEPA USEPA SW846, Method 3060. The difference between Total and Hexavalent Chromium. The total Chromium is determined by ICPAES and the Hexavalent chromium is extracted by alkaline digestion and the digest is determined by photometrically by automatic discrete analyser. The instrument uses colour development using dephenylcarbazide. This method is compliant with NEPM Schedule B(3)
Total Cyanide by Segmented Flow Analyser	EK026SF	SOIL	In house: Referenced to APHA 4500-CN C / ASTM D7511 / ISO 14403. Caustic leachates of soil samples are introduced into an automated segmented flow analyser. Complex bound cyanide is decomposed in a continuously flowing stream, at a pH of 3.8, by the effect of UV light. A UV-B lamp (312 nm) and a decomposition spiral of borosilicate glass are used to filter out UV light with a wavelength of less than 290 nm thus preventing the conversion of thiocyanate into cyanide. The hydrogen cyanide present at a pH of 3.8 is separated by gas dialysis. The hydrogen cyanide is then determined photometrically, based on the reaction of cyanide with chloramine-T to form cyanogen chloride. This then reacts with 4-pyridine carboxylic acid and 1,3-dimethylbarbituric acid to give a red colour which is measured at 600 nm. This method is compliant with NEPM Schedule B(3).
Polychlorinated Biphenyls (PCB)	EP066	SOIL	In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3).
Pesticides by GCMS	EP068	SOIL	In house: Referenced to USEPA SW 846 - 8270 Extracts are analysed by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. This technique is compliant with NEPM Schedule B(3).
TRH - Semivolatile Fraction	EP071	SOIL	In house: Referenced to USEPA SW 846 - 8015 Sample extracts are analysed by Capillary GC/FID and quantified against alkane standards over the range C10 - C40. Compliant with NEPM Schedule B(3).



Analytical Methods	Method	Matrix	Method Descriptions
Volatile Organic Compounds	EP074	SOIL	In house: Referenced to USEPA SW 846 - 8260 Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3).
PAH/Phenols (SIM)	EP075(SIM)	SOIL	In house: Referenced to USEPA SW 846 - 8270. Extracts are analysed by Capillary GC/MS in Selective Ion Mode (SIM) and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH Volatiles/BTEX	EP080	SOIL	In house: Referenced to USEPA SW 846 - 8260. Extracts are analysed by Purge and Trap, Capillary GC/MS. Quantification is by comparison against an established 5 point calibration curve. Compliant with NEPM Schedule B(3) amended.
Per- and Polyfluoroalkyl Substances (PFAS) by LCMSMS	EP231X	SOIL	In-house: Analysis of soils by solvent extraction followed by negative mode LC-ESI-MS/MS using MRM and isotope dilution or internal standard quantitation. A portion of homogenised sample is extracted along with isotope dilution standards (where commercially available) in a solution of ammonium acetate in acetonitrile/methanol. Where relevant, interferences from co-extracted organics are removed using dispersive clean-up media (dSPE). A portion of extract is combined with an equal volume of reagent water and filtered for instrumental analysis.

Preparation Methods	Method	Matrix	Method Descriptions
NaOH leach for CN in Soils	CN-PR	SOIL	In house: APHA 4500 CN. Samples are extracted by end-over-end tumbling with NaOH.
Alkaline digestion for Hexavalent Chromium	EG048PR	SOIL	In house: Referenced to USEPA SW846, Method 3060A.
Hot Block Digest for metals in soils sediments and sludges	EN69	SOIL	In house: Referenced to USEPA 200.2. Hot Block Acid Digestion 1.0g of sample is heated with Nitric and Hydrochloric acids, then cooled. Peroxide is added and samples heated and cooled again before being filtered and bulked to volume for analysis. Digest is appropriate for determination of selected metals in sludge, sediments, and soils. This method is compliant with NEPM Schedule B(3).
Methanolic Extraction of Soils for Purge and Trap	ORG16	SOIL	In house: Referenced to USEPA SW 846 - 5030A. 5g of solid is shaken with surrogate and 10mL methanol prior to analysis by Purge and Trap - GC/MS.
Tumbler Extraction of Solids	ORG17	SOIL	In house: Mechanical agitation (tumbler). 10g of sample, Na2SO4 and surrogate are extracted with 30mL 1:1 DCM/Acetone by end over end tumble. The solvent is decanted, dehydrated and concentrated (by KD) to the desired volume for analysis.
QuEChERS Extraction of Solids	ORG71	SOIL	In house: Sequential extractions with Acetonitrile/Methanol by shaking. Extraction efficiency aided by the addition of salts under acidic conditions. Where relevant, interferences from co-extracted organics are removed with dispersive clean-up media (dSPE). The extract is either diluted or concentrated and exchanged into the analytical solvent.

Methyl-tert-Butyl Ether

1352171

Jayden



Environment Testing

PROJECT INFORMATION

Date & Time Received:

28/04/26

Company:

FYFE

Contact Details:

Natasha.V.

Project Name/site:

Project Number:

82257-2

Sample IDs:

Sampling Date/s:

COC:

Attached ☐

E-mailed ☐

Not received ☐

Courier ☐

Temperature:

Attempt to chill: ☒ Y / ☐ N

14.6°C
+0.1°C
14.7°C
on LB

Custody Seal:

Number of Eskies:

Last modified on: 30 January 2025	Approved on: 30 January 2025	Version: QS1039_R3
Last modified by: N. Richardson	Approved by: M. Makarios	Page 1 of 1
Editorial Committee: N. Richardson, V. Heredia, T. Lakeland, M. Makarios, F. Sanjaya		Next required review date: 30 January 2029

Eurofins Environment Testing Australia Pty Ltd

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---	--	--	--	--	---	--	--

Sample Receipt Advice

Company name: Fyfe Earth Partners Pty Ltd SA
Contact name: Natasha Vella
Project name: Hygge Unley Road
Project ID: 82257-2
Turnaround time: 5 Day
Date/Time received: Apr 28, 2026 1:57 PM
Eurofins reference: 1352171

Sample Information

- ✓ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ✓ All samples have been received as described on the above COC.
- ✓ COC has been completed correctly.
- ✓ Attempt to chill was evident.
- ✓ Appropriately preserved sample containers have been used.
- ✓ All samples were received in good condition.
- ✓ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ✓ Appropriate sample containers have been used.
- ✓ Sample containers for volatile analysis received with zero headspace.
- ✓ Split sample sent to requested external lab.
- ✗ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Notes

SPLIT sent to ALS

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Natasha Vella - Natasha.Vella@fyfe.com.au.

Note: A copy of these results will also be delivered to the general Fyfe Earth Partners Pty Ltd SA email address.



Eurofins Environment Testing Australia Pty Ltd

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Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1352171
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 28, 2026 1:57 PM
Due: May 5, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Methyl-tert-Butyl Ether	Split - External Lab*	Suite B14: OCP/OPP	Parent QC Set for Volatile Organics by SIM	Eurofins Suite B7B	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X
External Laboratory							X				
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID						
1	MW01	Apr 28, 2026		Water	M26-Ap0079894	X		X	X	X	
2	MW02	Apr 28, 2026		Water	M26-Ap0079895	X		X	X	X	
3	QC1	Apr 28, 2026		Water	M26-Ap0079896	X		X	X	X	
4	QC2	Apr 28, 2026		Water	M26-Ap0079897		X				
5	RN1	Apr 28, 2026		Water	M26-Ap0079898					X	
6	TB1	Apr 28, 2026		Water	M26-Ap0079899						X
Test Counts						3	1	3	3	4	1

Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025 – Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Natasha Vella**

Report **1352171-W**
 Project name **Hygge Unley Road**
 Project ID **82257-2**
 Received Date **Apr 28, 2026**

Client Sample ID			MW01	MW02	QC1	RN1
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			M26- Ap0079894	M26- Ap0079895	M26- Ap0079896	M26- Ap0079898
Date Sampled			Apr 28, 2026	Apr 28, 2026	Apr 28, 2026	Apr 28, 2026
Test/Reference	LOR	Unit				
Total Recoverable Hydrocarbons						
TRH C6-C9	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C10-C14	0.05	mg/L	0.22	< 0.05	< 0.05	< 0.05
TRH C15-C28	0.1	mg/L	0.4	< 0.1	< 0.1	< 0.1
TRH C29-C36	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH C10-C36 (Total)	0.1	mg/L	0.62	< 0.1	< 0.1	< 0.1
TRH C6-C10	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH C6-C10 less BTEX (F1) ^{N04}	0.02	mg/L	< 0.02	< 0.02	< 0.02	< 0.02
TRH >C10-C16	0.05	mg/L	0.16	< 0.05	< 0.05	< 0.05
TRH >C10-C16 less Naphthalene (F2) ^{*N01}	0.05	mg/L	0.16	< 0.05	< 0.05	< 0.05
Naphthalene ^{N02}	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
TRH >C16-C34	0.1	mg/L	0.3	< 0.1	< 0.1	< 0.1
TRH >C34-C40	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
TRH >C10-C40 (total)*	0.1	mg/L	0.46	< 0.1	< 0.1	< 0.1
BTEX						
Benzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Toluene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002	< 0.002	< 0.002	< 0.002
o-Xylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
4-Bromofluorobenzene (surr.)	1	%	89	97	98	74
Volatile Organics						
Methyl-tert-Butyl Ether	0.001	mg/L	< 0.001	< 0.001	< 0.001	-
Parent QC Set for Volatile Organics by SIM						
1.1-Dichloroethane (SIM)	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	-
1.2-Dichloroethane (SIM)	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	-
1.4-Dichlorobenzene (SIM)	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	-
Chlorobenzene (SIM)	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	-
cis-1.2-Dichloroethene (SIM)	0.00001	mg/L	< 0.00001	< 0.00001	< 0.00001	-
Methylene chloride (SIM)	0.00002	mg/L	< 0.00002	< 0.00002	< 0.00002	-
Tetrachloroethene (SIM)	0.00002	mg/L	< 0.00002	< 0.00002	< 0.00002	-
Trichloroethene (SIM)	0.00001	mg/L	< 0.00002	< 0.00001	< 0.00001	-
Vinyl chloride (SIM)	0.00005	mg/L	< 0.00005	< 0.00005	< 0.00005	-

Client Sample ID Sample Matrix Eurofins Sample No. Date Sampled Test/Reference	LOR	Unit	MW01 Water M26- Ap0079894 Apr 28, 2026	MW02 Water M26- Ap0079895 Apr 28, 2026	QC1 Water M26- Ap0079896 Apr 28, 2026	RN1 Water M26- Ap0079898 Apr 28, 2026
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Acenaphthylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benz(a)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(a)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(b&j)fluoranthene ^{N07}	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(g,h,i)perylene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Benzo(k)fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Chrysene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Dibenz(a,h)anthracene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluoranthene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Fluorene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Indeno(1.2.3-cd)pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Naphthalene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Phenanthrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Pyrene	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
Total PAH*	0.001	mg/L	< 0.001	< 0.001	< 0.001	< 0.001
2-Fluorobiphenyl (surr.)	1	%	83	78	79	71
p-Terphenyl-d14 (surr.)	1	%	86	84	86	92
Organochlorine Pesticides						
Chlordanes - Total	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
4,4'-DDD	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
4,4'-DDE	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
4,4'-DDT	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
α-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Aldrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
β-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
δ-HCH	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Dieldrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Endosulfan I	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Endosulfan II	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Endosulfan sulphate	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Endrin	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Endrin aldehyde	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Endrin ketone	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
γ-HCH (Lindane)	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Heptachlor	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Heptachlor epoxide	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Hexachlorobenzene	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Methoxychlor	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Toxaphene	0.005	mg/L	< 0.005	< 0.005	< 0.005	-
Aldrin and Dieldrin (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
DDT + DDE + DDD (Total)*	0.0002	mg/L	< 0.0002	< 0.0002	< 0.0002	-
Vic EPA IWRG 621 OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Vic EPA IWRG 621 Other OCP (Total)*	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Dibutylchloroendate (surr.)	1	%	84	80	71	-
Tetrachloro-m-xylene (surr.)	1	%	79	71	70	-

Client Sample ID Sample Matrix Eurofins Sample No. Date Sampled Test/Reference	LOR	Unit	MW01 Water M26- Ap0079894 Apr 28, 2026	MW02 Water M26- Ap0079895 Apr 28, 2026	QC1 Water M26- Ap0079896 Apr 28, 2026	RN1 Water M26- Ap0079898 Apr 28, 2026
Organophosphorus Pesticides						
Azinphos-methyl	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Bolstar	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Chlorfenvinphos	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
Chlorpyrifos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Chlorpyrifos-methyl	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Coumaphos	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
Demeton-S	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Demeton-O	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Diazinon	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Dichlorvos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Dimethoate	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Disulfoton	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
EPN	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Ethion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Ethoprop	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Ethyl parathion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Fenitrothion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Fensulfothion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Fenthion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Malathion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Merphos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Methyl parathion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Mevinphos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Monocrotophos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Naled	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Omethoate	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
Phorate	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Pirimiphos-methyl	0.02	mg/L	< 0.02	< 0.02	< 0.02	-
Pyrazophos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Ronnel	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Terbufos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Tetrachlorvinphos	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Tokuthion	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Trichloronate	0.002	mg/L	< 0.002	< 0.002	< 0.002	-
Triphenylphosphate (surr.)	1	%	67	78	67	-
Phenols (Halogenated)						
2-Chlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
2,4-Dichlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
2,4,5-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
2,4,6-Trichlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
2,6-Dichlorophenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
4-Chloro-3-methylphenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
Pentachlorophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
Tetrachlorophenols - Total	0.03	mg/L	< 0.03	< 0.03	< 0.03	< 0.03
Total Halogenated Phenol*	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01

Client Sample ID			MW01	MW02	QC1	RN1
Sample Matrix			Water	Water	Water	Water
Eurofins Sample No.			M26- Ap0079894	M26- Ap0079895	M26- Ap0079896	M26- Ap0079898
Date Sampled			Apr 28, 2026	Apr 28, 2026	Apr 28, 2026	Apr 28, 2026
Test/Reference	LOR	Unit				
Phenols (non-Halogenated)						
2-Cyclohexyl-4.6-dinitrophenol	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
2-Methyl-4.6-dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	< 0.03
2-Nitrophenol	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
2.4-Dimethylphenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
2.4-Dinitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	< 0.03
2-Methylphenol (o-Cresol)	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
3&4-Methylphenol (m&p-Cresol)	0.006	mg/L	< 0.006	< 0.006	< 0.006	< 0.006
Total cresols*	0.01	mg/L	< 0.01	< 0.01	< 0.01	< 0.01
4-Nitrophenol	0.03	mg/L	< 0.03	< 0.03	< 0.03	< 0.03
Dinoseb	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Phenol	0.003	mg/L	< 0.003	< 0.003	< 0.003	< 0.003
Phenol-d6 (surr.)	1	%	77	20	21	55
Total Non-Halogenated Phenol*	0.1	mg/L	< 0.1	< 0.1	< 0.1	< 0.1
Heavy Metals						
Lead	0.001	mg/L	< 0.001	< 0.001	0.001	< 0.001

Client Sample ID			TB1
Sample Matrix			Water
Eurofins Sample No.			M26- Ap0079899
Date Sampled			Apr 28, 2026
Test/Reference	LOR	Unit	
Total Recoverable Hydrocarbons			
TRH C6-C9	0.02	mg/L	< 0.02
TRH C6-C10	0.02	mg/L	< 0.02
TRH C6-C10 less BTEX (F1) ^{N04}	0.02	mg/L	< 0.02
Naphthalene ^{N02}	0.01	mg/L	< 0.01
BTEX			
Benzene	0.001	mg/L	< 0.001
Toluene	0.001	mg/L	< 0.001
Ethylbenzene	0.001	mg/L	< 0.001
m&p-Xylenes	0.002	mg/L	< 0.002
o-Xylene	0.001	mg/L	< 0.001
Xylenes - Total*	0.003	mg/L	< 0.003
4-Bromofluorobenzene (surr.)	1	%	94

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 30, 2026	7 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 30, 2026	7 Days
Total Recoverable Hydrocarbons - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 30, 2026	7 Days
BTEX - Method: LTM-ORG-2010 BTEX and Volatile TRH	Melbourne	Apr 30, 2026	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 30, 2026	7 Days
Polycyclic Aromatic Hydrocarbons - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Apr 30, 2026	7 Days
Phenols (Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Apr 30, 2026	7 Days
Phenols (non-Halogenated) - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Melbourne	Apr 30, 2026	7 Days
Heavy Metals - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Melbourne	Apr 29, 2026	28 Days
Volatile Organics - Method: LTM-ORG-2150 VOCs in Soils Liquid and other Aqueous Matrices (USEPA 8260)	Melbourne	Apr 30, 2026	7 Days
Parent QC Set for Volatile Organics by SIM - Method: LTM-ORG-2010 TRH C6-C40	Melbourne	Apr 30, 2026	
Suite B14: OCP/OPP			
Organochlorine Pesticides - Method: LTM-ORG-2220 OCP & PCB in Soil and Water (USEPA 8270)	Melbourne	Apr 30, 2026	7 Days
Organophosphorus Pesticides - Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS (USEPA 8270)	Melbourne	Apr 30, 2026	7 Days

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Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1352171
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: Apr 28, 2026 1:57 PM
Due: May 5, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail						Methyl-tert-Butyl Ether	Split - External Lab*	Suite B14: OCP/OPP	Parent QC Set for Volatile Organics by SIM	Eurofins Suite B7B	BTEXN and Volatile TRH
Melbourne Laboratory - NATA # 1261 Site # 1254						X		X	X	X	X
External Laboratory							X				
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID						
1	MW01	Apr 28, 2026		Water	M26-Ap0079894	X		X	X	X	
2	MW02	Apr 28, 2026		Water	M26-Ap0079895	X		X	X	X	
3	QC1	Apr 28, 2026		Water	M26-Ap0079896	X		X	X	X	
4	QC2	Apr 28, 2026		Water	M26-Ap0079897		X				
5	RN1	Apr 28, 2026		Water	M26-Ap0079898					X	
6	TB1	Apr 28, 2026		Water	M26-Ap0079899						X
Test Counts						3	1	3	3	4	1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C9	mg/L	< 0.02			0.02	Pass	
TRH C10-C14	mg/L	< 0.05			0.05	Pass	
TRH C15-C28	mg/L	< 0.1			0.1	Pass	
TRH C29-C36	mg/L	< 0.1			0.1	Pass	
TRH >C10-C16	mg/L	< 0.05			0.05	Pass	
TRH >C16-C34	mg/L	< 0.1			0.1	Pass	
TRH >C34-C40	mg/L	< 0.1			0.1	Pass	
Method Blank							
BTEX							
Benzene	mg/L	< 0.001			0.001	Pass	
Toluene	mg/L	< 0.001			0.001	Pass	
Ethylbenzene	mg/L	< 0.001			0.001	Pass	
m&p-Xylenes	mg/L	< 0.002			0.002	Pass	
o-Xylene	mg/L	< 0.001			0.001	Pass	
Xylenes - Total*	mg/L	< 0.003			0.003	Pass	
Method Blank							
Volatile Organics							
Methyl-tert-Butyl Ether	mg/L	< 0.001			0.001	Pass	
Method Blank							
Organochlorine Pesticides							
Chlordanes - Total	mg/L	< 0.002			0.002	Pass	
4,4'-DDD	mg/L	< 0.0002			0.0002	Pass	
4,4'-DDE	mg/L	< 0.0002			0.0002	Pass	
4,4'-DDT	mg/L	< 0.0002			0.0002	Pass	
a-HCH	mg/L	< 0.0002			0.0002	Pass	
Aldrin	mg/L	< 0.0002			0.0002	Pass	
b-HCH	mg/L	< 0.0002			0.0002	Pass	
d-HCH	mg/L	< 0.0002			0.0002	Pass	
Dieldrin	mg/L	< 0.0002			0.0002	Pass	
Endosulfan I	mg/L	< 0.0002			0.0002	Pass	
Endosulfan II	mg/L	< 0.0002			0.0002	Pass	
Endosulfan sulphate	mg/L	< 0.0002			0.0002	Pass	
Endrin	mg/L	< 0.0002			0.0002	Pass	
Endrin aldehyde	mg/L	< 0.0002			0.0002	Pass	
Endrin ketone	mg/L	< 0.0002			0.0002	Pass	
g-HCH (Lindane)	mg/L	< 0.0002			0.0002	Pass	
Heptachlor	mg/L	< 0.0002			0.0002	Pass	
Heptachlor epoxide	mg/L	< 0.0002			0.0002	Pass	
Hexachlorobenzene	mg/L	< 0.0002			0.0002	Pass	
Methoxychlor	mg/L	< 0.0002			0.0002	Pass	
Toxaphene	mg/L	< 0.005			0.005	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/L	< 0.002			0.002	Pass	
Bolstar	mg/L	< 0.002			0.002	Pass	
Chlorfenvinphos	mg/L	< 0.02			0.02	Pass	
Chlorpyrifos	mg/L	< 0.002			0.002	Pass	
Chlorpyrifos-methyl	mg/L	< 0.002			0.002	Pass	
Coumaphos	mg/L	< 0.02			0.02	Pass	
Demeton-S	mg/L	< 0.002			0.002	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Demeton-O	mg/L	< 0.002			0.002	Pass	
Diazinon	mg/L	< 0.002			0.002	Pass	
Dichlorvos	mg/L	< 0.002			0.002	Pass	
Dimethoate	mg/L	< 0.002			0.002	Pass	
Disulfoton	mg/L	< 0.002			0.002	Pass	
EPN	mg/L	< 0.002			0.002	Pass	
Ethion	mg/L	< 0.002			0.002	Pass	
Ethoprop	mg/L	< 0.002			0.002	Pass	
Ethyl parathion	mg/L	< 0.002			0.002	Pass	
Fenitrothion	mg/L	< 0.002			0.002	Pass	
Fensulfothion	mg/L	< 0.002			0.002	Pass	
Fenthion	mg/L	< 0.002			0.002	Pass	
Malathion	mg/L	< 0.002			0.002	Pass	
Merphos	mg/L	< 0.002			0.002	Pass	
Methyl parathion	mg/L	< 0.002			0.002	Pass	
Mevinphos	mg/L	< 0.002			0.002	Pass	
Monocrotophos	mg/L	< 0.002			0.002	Pass	
Naled	mg/L	< 0.002			0.002	Pass	
Omethoate	mg/L	< 0.02			0.02	Pass	
Phorate	mg/L	< 0.002			0.002	Pass	
Pirimiphos-methyl	mg/L	< 0.02			0.02	Pass	
Pyrazophos	mg/L	< 0.002			0.002	Pass	
Ronnel	mg/L	< 0.002			0.002	Pass	
Terbufos	mg/L	< 0.002			0.002	Pass	
Tetrachlorvinphos	mg/L	< 0.002			0.002	Pass	
Tokuthion	mg/L	< 0.002			0.002	Pass	
Trichloronate	mg/L	< 0.002			0.002	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2,4-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
2,4,5-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2,4,6-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2,6-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
4-Chloro-3-methylphenol	mg/L	< 0.01			0.01	Pass	
Pentachlorophenol	mg/L	< 0.01			0.01	Pass	
Tetrachlorophenols - Total	mg/L	< 0.03			0.03	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	mg/L	< 0.1			0.1	Pass	
2-Methyl-4,6-dinitrophenol	mg/L	< 0.03			0.03	Pass	
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2,4-Dimethylphenol	mg/L	< 0.003			0.003	Pass	
2,4-Dinitrophenol	mg/L	< 0.03			0.03	Pass	
2-Methylphenol (o-Cresol)	mg/L	< 0.003			0.003	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/L	< 0.006			0.006	Pass	
4-Nitrophenol	mg/L	< 0.03			0.03	Pass	
Dinoseb	mg/L	< 0.1			0.1	Pass	
Phenol	mg/L	< 0.003			0.003	Pass	
Method Blank							
Parent QC Set for Volatile Organics by SIM							
1,1-Dichloroethane (SIM)	mg/L	< 0.00001			0.00001	Pass	
1,2-Dichloroethane (SIM)	mg/L	< 0.00001			0.00001	Pass	
1,4-Dichlorobenzene (SIM)	mg/L	< 0.00001			0.00001	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Chlorobenzene (SIM)	mg/L	< 0.00001			0.00001	Pass	
cis-1,2-Dichloroethene (SIM)	mg/L	< 0.00001			0.00001	Pass	
Methylene chloride (SIM)	mg/L	< 0.00002			0.00002	Pass	
Tetrachloroethene (SIM)	mg/L	< 0.00002			0.00002	Pass	
Trichloroethene (SIM)	mg/L	< 0.00001			0.00001	Pass	
Vinyl chloride (SIM)	mg/L	< 0.00005			0.00005	Pass	
Method Blank							
Heavy Metals							
Lead	mg/L	< 0.001			0.001	Pass	
Method Blank							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	mg/L	< 0.001			0.001	Pass	
Acenaphthylene	mg/L	< 0.001			0.001	Pass	
Anthracene	mg/L	< 0.001			0.001	Pass	
Benz(a)anthracene	mg/L	< 0.001			0.001	Pass	
Benzo(a)pyrene	mg/L	< 0.001			0.001	Pass	
Benzo(b&j)fluoranthene	mg/L	< 0.001			0.001	Pass	
Benzo(g,h,i)perylene	mg/L	< 0.001			0.001	Pass	
Benzo(k)fluoranthene	mg/L	< 0.001			0.001	Pass	
Chrysene	mg/L	< 0.001			0.001	Pass	
Dibenz(a,h)anthracene	mg/L	< 0.001			0.001	Pass	
Fluoranthene	mg/L	< 0.001			0.001	Pass	
Fluorene	mg/L	< 0.001			0.001	Pass	
Indeno(1,2,3-cd)pyrene	mg/L	< 0.001			0.001	Pass	
Naphthalene	mg/L	< 0.001			0.001	Pass	
Phenanthrene	mg/L	< 0.001			0.001	Pass	
Pyrene	mg/L	< 0.001			0.001	Pass	
Method Blank							
Phenols (Halogenated)							
2-Chlorophenol	mg/L	< 0.003			0.003	Pass	
2,4-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
2,4,5-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2,4,6-Trichlorophenol	mg/L	< 0.01			0.01	Pass	
2,6-Dichlorophenol	mg/L	< 0.003			0.003	Pass	
4-Chloro-3-methylphenol	mg/L	< 0.01			0.01	Pass	
Pentachlorophenol	mg/L	< 0.01			0.01	Pass	
Tetrachlorophenols - Total	mg/L	< 0.03			0.03	Pass	
Method Blank							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	mg/L	< 0.1			0.1	Pass	
2-Methyl-4,6-dinitrophenol	mg/L	< 0.03			0.03	Pass	
2-Nitrophenol	mg/L	< 0.01			0.01	Pass	
2,4-Dimethylphenol	mg/L	< 0.003			0.003	Pass	
2,4-Dinitrophenol	mg/L	< 0.03			0.03	Pass	
2-Methylphenol (o-Cresol)	mg/L	< 0.003			0.003	Pass	
3&4-Methylphenol (m&p-Cresol)	mg/L	< 0.006			0.006	Pass	
4-Nitrophenol	mg/L	< 0.03			0.03	Pass	
Dinoseb	mg/L	< 0.1			0.1	Pass	
Phenol	mg/L	< 0.003			0.003	Pass	
Method Blank							
Total Recoverable Hydrocarbons							
TRH C6-C10	mg/L	< 0.02			0.02	Pass	
Naphthalene	mg/L	< 0.01			0.01	Pass	
LCS - % Recovery							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
BTEX							
Benzene	%	105			70-130	Pass	
Toluene	%	106			70-130	Pass	
Ethylbenzene	%	106			70-130	Pass	
m&p-Xylenes	%	102			70-130	Pass	
Xylenes - Total*	%	104			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
Methyl-tert-Butyl Ether	%	94			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	105			70-130	Pass	
Acenaphthylene	%	95			70-130	Pass	
Anthracene	%	112			70-130	Pass	
Benz(a)anthracene	%	118			70-130	Pass	
Benzo(a)pyrene	%	130			70-130	Pass	
Benzo(b&j)fluoranthene	%	126			70-130	Pass	
Benzo(g,h,i)perylene	%	88			70-130	Pass	
Benzo(k)fluoranthene	%	88			70-130	Pass	
Chrysene	%	87			70-130	Pass	
Dibenz(a,h)anthracene	%	77			70-130	Pass	
Fluoranthene	%	92			70-130	Pass	
Fluorene	%	118			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	88			70-130	Pass	
Naphthalene	%	106			70-130	Pass	
Phenanthrene	%	91			70-130	Pass	
Pyrene	%	113			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	101			70-130	Pass	
4,4'-DDD	%	99			70-130	Pass	
4,4'-DDE	%	108			70-130	Pass	
4,4'-DDT	%	110			70-130	Pass	
α-HCH	%	127			70-130	Pass	
Aldrin	%	103			70-130	Pass	
β-HCH	%	89			70-130	Pass	
δ-HCH	%	93			70-130	Pass	
Dieldrin	%	113			70-130	Pass	
Endosulfan I	%	120			70-130	Pass	
Endosulfan II	%	112			70-130	Pass	
Endosulfan sulphate	%	101			70-130	Pass	
Endrin	%	125			70-130	Pass	
Endrin aldehyde	%	128			70-130	Pass	
Endrin ketone	%	125			70-130	Pass	
γ-HCH (Lindane)	%	90			70-130	Pass	
Heptachlor	%	130			70-130	Pass	
Heptachlor epoxide	%	96			70-130	Pass	
Hexachlorobenzene	%	101			70-130	Pass	
Methoxychlor	%	98			70-130	Pass	
LCS - % Recovery							
Organophosphorus Pesticides							
Diazinon	%	103			70-130	Pass	
Dimethoate	%	91			70-130	Pass	
Ethion	%	118			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fenitrothion	%	107			70-130	Pass	
Mevinphos	%	92			70-130	Pass	
LCS - % Recovery							
Phenols (Halogenated)							
2-Chlorophenol	%	86			25-140	Pass	
2,4-Dichlorophenol	%	128			25-140	Pass	
2,4,5-Trichlorophenol	%	116			25-140	Pass	
2,4,6-Trichlorophenol	%	114			25-140	Pass	
2,6-Dichlorophenol	%	111			25-140	Pass	
4-Chloro-3-methylphenol	%	86			25-140	Pass	
Pentachlorophenol	%	103			25-140	Pass	
Tetrachlorophenols - Total	%	109			25-140	Pass	
LCS - % Recovery							
Phenols (non-Halogenated)							
2-Cyclohexyl-4,6-dinitrophenol	%	99			25-140	Pass	
2-Methyl-4,6-dinitrophenol	%	108			25-140	Pass	
2-Nitrophenol	%	99			25-140	Pass	
2,4-Dimethylphenol	%	119			25-140	Pass	
2,4-Dinitrophenol	%	130			25-140	Pass	
2-Methylphenol (o-Cresol)	%	121			25-140	Pass	
3&4-Methylphenol (m&p-Cresol)	%	113			25-140	Pass	
4-Nitrophenol	%	86			25-140	Pass	
Dinoseb	%	106			25-140	Pass	
Phenol	%	127			25-140	Pass	
LCS - % Recovery							
Heavy Metals							
Lead	%	109			80-120	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C10-C14	%	109			70-130	Pass	
TRH >C10-C16	%	107			70-130	Pass	
LCS - % Recovery							
Parent QC Set for Volatile Organics by SIM							
1,2-Dichloroethane (SIM)	%	102			70-130	Pass	
Trichloroethene (SIM)	%	116			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons							
TRH C6-C9	%	126			70-130	Pass	
TRH C6-C10	%	130			70-130	Pass	
Naphthalene	%	73			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	97			70-130	Pass	
Toluene	%	122			70-130	Pass	
Ethylbenzene	%	120			70-130	Pass	
m&p-Xylenes	%	118			70-130	Pass	
Xylenes - Total*	%	116			70-130	Pass	
LCS - % Recovery							
Volatile Organics							
Methyl-tert-Butyl Ether	%	84			70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery								
BTEX				Result 1				
Benzene	M26-My0000008	NCP	%	74		70-130	Pass	
Toluene	M26-My0000008	NCP	%	98		70-130	Pass	
Ethylbenzene	M26-My0000008	NCP	%	118		70-130	Pass	
m&p-Xylenes	M26-My0000008	NCP	%	75		70-130	Pass	
o-Xylene	M26-My0000008	NCP	%	81		70-130	Pass	
Xylenes - Total*	M26-My0000008	NCP	%	77		70-130	Pass	
Spike - % Recovery								
Volatile Organics				Result 1				
Methyl-tert-Butyl Ether	M26-My0000008	NCP	%	81		70-130	Pass	
Spike - % Recovery								
Phenols (Halogenated)				Result 1				
2-Chlorophenol	M26-Ap0083777	NCP	%	85		30-130	Pass	
4-Chloro-3-methylphenol	M26-Ap0083777	NCP	%	86		30-130	Pass	
Pentachlorophenol	M26-My0000022	NCP	%	106		30-130	Pass	
Spike - % Recovery								
Phenols (non-Halogenated)				Result 1				
4-Nitrophenol	M26-Ap0083777	NCP	%	87		30-130	Pass	
Phenol	M26-Ap0083777	NCP	%	93		30-130	Pass	
Spike - % Recovery								
Heavy Metals				Result 1				
Lead	M26-Ap0077534	NCP	%	96		75-125	Pass	
Spike - % Recovery								
Total Recoverable Hydrocarbons				Result 1				
TRH C6-C9	M26-Ap0079898	CP	%	126		70-130	Pass	
TRH C10-C14	M26-Ap0079898	CP	%	113		70-130	Pass	
TRH C6-C10	M26-Ap0079898	CP	%	127		70-130	Pass	
TRH >C10-C16	M26-Ap0079898	CP	%	110		70-130	Pass	
Naphthalene	M26-Ap0079898	CP	%	92		70-130	Pass	
Spike - % Recovery								
BTEX				Result 1				
Benzene	M26-Ap0079898	CP	%	100		70-130	Pass	
Toluene	M26-Ap0079898	CP	%	125		70-130	Pass	
Ethylbenzene	M26-Ap0079898	CP	%	123		70-130	Pass	
m&p-Xylenes	M26-Ap0079898	CP	%	118		70-130	Pass	
o-Xylene	M26-Ap0079898	CP	%	114		70-130	Pass	
Xylenes - Total*	M26-Ap0079898	CP	%	116		70-130	Pass	
Spike - % Recovery								
Volatile Organics				Result 1				
Methyl-tert-Butyl Ether	M26-Ap0079898	CP	%	83		70-130	Pass	
Spike - % Recovery								
Polycyclic Aromatic Hydrocarbons				Result 1				
Acenaphthene	M26-Ap0079898	CP	%	99		70-130	Pass	
Acenaphthylene	M26-Ap0079898	CP	%	109		70-130	Pass	
Anthracene	M26-Ap0079898	CP	%	80		70-130	Pass	
Benz(a)anthracene	M26-Ap0079898	CP	%	107		70-130	Pass	
Benzo(a)pyrene	M26-Ap0079898	CP	%	107		70-130	Pass	
Benzo(b&j)fluoranthene	M26-Ap0079898	CP	%	117		70-130	Pass	
Benzo(g,h,i)perylene	M26-Ap0079898	CP	%	106		70-130	Pass	
Benzo(k)fluoranthene	M26-Ap0079898	CP	%	129		70-130	Pass	
Chrysene	M26-Ap0079898	CP	%	88		70-130	Pass	
Dibenz(a,h)anthracene	M26-Ap0079898	CP	%	93		70-130	Pass	
Fluoranthene	M26-Ap0079898	CP	%	94		70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Fluorene	M26-Ap0079898	CP	%	129			70-130	Pass	
Indeno(1.2.3-cd)pyrene	M26-Ap0079898	CP	%	103			70-130	Pass	
Naphthalene	M26-Ap0079898	CP	%	117			70-130	Pass	
Phenanthrene	M26-Ap0079898	CP	%	109			70-130	Pass	
Pyrene	M26-Ap0079898	CP	%	94			70-130	Pass	
Spike - % Recovery									
Phenols (Halogenated)				Result 1					
2-Chlorophenol	M26-Ap0079898	CP	%	121			30-130	Pass	
2.4-Dichlorophenol	M26-Ap0079898	CP	%	92			30-130	Pass	
2.4.5-Trichlorophenol	M26-Ap0079898	CP	%	107			30-130	Pass	
2.4.6-Trichlorophenol	M26-Ap0079898	CP	%	100			30-130	Pass	
2.6-Dichlorophenol	M26-Ap0079898	CP	%	92			30-130	Pass	
4-Chloro-3-methylphenol	M26-Ap0079898	CP	%	104			30-130	Pass	
Pentachlorophenol	M26-Ap0079898	CP	%	86			30-130	Pass	
Tetrachlorophenols - Total	M26-Ap0079898	CP	%	84			30-130	Pass	
Spike - % Recovery									
Phenols (non-Halogenated)				Result 1					
2-Cyclohexyl-4.6-dinitrophenol	M26-Ap0079898	CP	%	79			30-130	Pass	
2-Methyl-4.6-dinitrophenol	M26-Ap0079898	CP	%	120			30-130	Pass	
2-Nitrophenol	M26-Ap0079898	CP	%	111			30-130	Pass	
2.4-Dinitrophenol	M26-Ap0079898	CP	%	88			30-130	Pass	
2-Methylphenol (o-Cresol)	M26-Ap0079898	CP	%	69			30-130	Pass	
3&4-Methylphenol (m&p-Cresol)	M26-Ap0079898	CP	%	57			30-130	Pass	
4-Nitrophenol	M26-Ap0079898	CP	%	32			30-130	Pass	
Dinoseb	M26-Ap0079898	CP	%	76			30-130	Pass	
Phenol	M26-Ap0079898	CP	%	43			30-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Organochlorine Pesticides				Result 1	Result 2	RPD			
4.4'-DDD	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDE	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
4.4'-DDT	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
a-HCH	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Aldrin	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
b-HCH	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
d-HCH	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Dieldrin	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan I	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan II	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endosulfan sulphate	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin aldehyde	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Endrin ketone	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Hexachlorobenzene	M26-Ap0071851	NCP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass	
Duplicate									
Organophosphorus Pesticides				Result 1	Result 2	RPD			
Azinphos-methyl	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Bolstar	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorfenvinphos	M26-Ap0071851	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Chlorpyrifos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Chlorpyrifos-methyl	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Coumaphos	M26-Ap0071851	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass	
Demeton-S	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Demeton-O	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	
Diazinon	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass	

Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Dichlorvos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Dimethoate	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Disulfoton	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
EPN	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethoprop	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethyl parathion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fenitrothion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fensulfothion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fenthion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Malathion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Merphos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Methyl parathion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Mevinphos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Monocrotophos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Naled	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Omethoate	M26-Ap0071851	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Phorate	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Pirimiphos-methyl	M26-Ap0071851	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Pyrazophos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ronnel	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Terbufos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Tetrachlorvinphos	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Tokuthion	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Trichloronate	M26-Ap0071851	NCP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M26-Ap0071851	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass
2,4-Dichlorophenol	M26-Ap0071851	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass
2,4,5-Trichlorophenol	M26-Ap0071851	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass
2,4,6-Trichlorophenol	M26-Ap0071851	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass
2,6-Dichlorophenol	M26-Ap0071851	NCP	mg/L	< 0.003	< 0.003	<1	30%	Pass
4-Chloro-3-methylphenol	M26-Ap0071851	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass
Pentachlorophenol	M26-Ap0071851	NCP	mg/L	< 0.01	< 0.01	<1	30%	Pass
Tetrachlorophenols - Total	M26-Ap0071851	NCP	mg/L	< 0.03	< 0.03	<1	30%	Pass
Duplicate								
Heavy Metals				Result 1	Result 2	RPD		
Lead	M26-Ap0077534	NCP	mg/L	0.003	0.003	8.0	30%	Pass
Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Methyl-tert-Butyl Ether	M26-Ap0083147	NCP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C6-C9	M26-Ap0079896	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
TRH C10-C14	M26-Ap0079896	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass
TRH C15-C28	M26-Ap0079896	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass
TRH C29-C36	M26-Ap0079896	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass
TRH C6-C10	M26-Ap0079896	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
TRH >C10-C16	M26-Ap0079896	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass
Naphthalene	M26-Ap0079896	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
TRH >C16-C34	M26-Ap0079896	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass
TRH >C34-C40	M26-Ap0079896	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass

Duplicate								
BTEX				Result 1	Result 2	RPD		
Benzene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Toluene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Ethylbenzene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
m&p-Xylenes	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
o-Xylene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Xylenes - Total*	M26-Ap0079896	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
Duplicate								
Parent QC Set for Volatile Organics by SIM				Result 1	Result 2	RPD		
1,1-Dichloroethane (SIM)	M26-Ap0079896	CP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass
1,2-Dichloroethane (SIM)	M26-Ap0079896	CP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass
1,4-Dichlorobenzene (SIM)	M26-Ap0079896	CP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass
Chlorobenzene (SIM)	M26-Ap0079896	CP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass
cis-1,2-Dichloroethene (SIM)	M26-Ap0079896	CP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass
Methylene chloride (SIM)	M26-Ap0079896	CP	mg/L	< 0.00002	< 0.00002	<1	30%	Pass
Tetrachloroethene (SIM)	M26-Ap0079896	CP	mg/L	< 0.00002	< 0.00002	<1	30%	Pass
Trichloroethene (SIM)	M26-Ap0079896	CP	mg/L	< 0.00001	< 0.00001	<1	30%	Pass
Vinyl chloride (SIM)	M26-Ap0079896	CP	mg/L	< 0.00005	< 0.00005	<1	30%	Pass
Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Acenaphthene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Acenaphthylene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Anthracene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benz(a)anthracene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(a)pyrene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(b&j)fluoranthene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(g,h,i)perylene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Benzo(k)fluoranthene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Chrysene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Dibenz(a,h)anthracene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Fluoranthene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Fluorene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Naphthalene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Phenanthrene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Pyrene	M26-Ap0079896	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
4,4'-DDD	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4,4'-DDE	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
4,4'-DDT	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
a-HCH	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Aldrin	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
b-HCH	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
d-HCH	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Dieldrin	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan I	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan II	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endosulfan sulphate	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin aldehyde	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Endrin ketone	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
g-HCH (Lindane)	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Heptachlor	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass

Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Heptachlor epoxide	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Hexachlorobenzene	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Methoxychlor	M26-Ap0079896	CP	mg/L	< 0.0002	< 0.0002	<1	30%	Pass
Toxaphene	M26-Ap0079896	CP	mg/L	< 0.005	< 0.005	<1	30%	Pass
Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Azinphos-methyl	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Bolstar	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Chlorfenvinphos	M26-Ap0079896	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Chlorpyrifos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Chlorpyrifos-methyl	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Coumaphos	M26-Ap0079896	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Demeton-S	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Demeton-O	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Diazinon	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Dichlorvos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Dimethoate	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Disulfoton	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
EPN	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethoprop	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ethyl parathion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fenitrothion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fensulfthion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Fenthion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Malathion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Merphos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Methyl parathion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Mevinphos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Monocrotophos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Naled	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Omethoate	M26-Ap0079896	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Phorate	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Pirimiphos-methyl	M26-Ap0079896	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Pyrazophos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Ronnel	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Terbufos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Tetrachlorvinphos	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Tokuthion	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Trichloronate	M26-Ap0079896	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
Duplicate								
Phenols (Halogenated)				Result 1	Result 2	RPD		
2-Chlorophenol	M26-Ap0079896	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
2,4-Dichlorophenol	M26-Ap0079896	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
2,4,5-Trichlorophenol	M26-Ap0079896	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
2,4,6-Trichlorophenol	M26-Ap0079896	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
2,6-Dichlorophenol	M26-Ap0079896	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
4-Chloro-3-methylphenol	M26-Ap0079896	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
Pentachlorophenol	M26-Ap0079896	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
Tetrachlorophenols - Total	M26-Ap0079896	CP	mg/L	< 0.03	< 0.03	<1	30%	Pass

Duplicate								
Phenols (non-Halogenated)				Result 1	Result 2	RPD		
2-Cyclohexyl-4,6-dinitrophenol	M26-Ap0079896	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass
2-Methyl-4,6-dinitrophenol	M26-Ap0079896	CP	mg/L	< 0.03	< 0.03	<1	30%	Pass
2-Nitrophenol	M26-Ap0079896	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
2,4-Dimethylphenol	M26-Ap0079896	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
2,4-Dinitrophenol	M26-Ap0079896	CP	mg/L	< 0.03	< 0.03	<1	30%	Pass
2-Methylphenol (o-Cresol)	M26-Ap0079896	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
3&4-Methylphenol (m&p-Cresol)	M26-Ap0079896	CP	mg/L	< 0.006	< 0.006	<1	30%	Pass
4-Nitrophenol	M26-Ap0079896	CP	mg/L	< 0.03	< 0.03	<1	30%	Pass
Dinoseb	M26-Ap0079896	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass
Phenol	M26-Ap0079896	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons				Result 1	Result 2	RPD		
TRH C6-C9	M26-Ap0079899	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
TRH C6-C10	M26-Ap0079899	CP	mg/L	< 0.02	< 0.02	<1	30%	Pass
Naphthalene	M26-Ap0079899	CP	mg/L	< 0.01	< 0.01	<1	30%	Pass
Duplicate								
BTEX				Result 1	Result 2	RPD		
Benzene	M26-Ap0079899	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Toluene	M26-Ap0079899	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Ethylbenzene	M26-Ap0079899	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
m&p-Xylenes	M26-Ap0079899	CP	mg/L	< 0.002	< 0.002	<1	30%	Pass
o-Xylene	M26-Ap0079899	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass
Xylenes - Total*	M26-Ap0079899	CP	mg/L	< 0.003	< 0.003	<1	30%	Pass
Duplicate								
Volatile Organics				Result 1	Result 2	RPD		
Methyl-tert-Butyl Ether	M26-Ap0079899	CP	mg/L	< 0.001	< 0.001	<1	30%	Pass

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs

Authorised by:

Catherine Wilson	Analytical Services Manager
Carroll Lee	Senior Analyst-Organic
Edward Lee	Senior Analyst-Organic
Emily Rosenberg	Senior Analyst-Metal
Harry Bacalis	Senior Analyst-Volatile
Joseph Edouard	Senior Analyst-Organic
Joseph Edouard	Senior Analyst-Volatile
Mary Makarios	Senior Analyst-Metal



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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Fw: Eurofins Test Results, Invoice - Report 1352171 : Site Hygge Unley Road (82257-2)

From Karl Bulow <Karl.Bulow@eurofinsanz.com>
Date Tue 12/05/26 5:59 PM
To SH_AU_CAU001_EnviroSampleVic <EnviroSampleVic@eurofinsanz.com>
Cc Natasha Vella <natasha.vella@fyfe.com.au>

 9 attachments (1 MB)

1352171_data.csv; 1352171_COC.pdf; 1352171_sample_receipt_coc.pdf; 1352171_summary.pdf; Hygge Unley Road 82257-2.1352171.Header.xml; Hygge Unley Road 82257-2.1352171.Chemistry2e.csv; Hygge Unley Road 82257-2.1352171.Sample2e.csv; 1352171_invoice_AU01-1058409.pdf; 1352171-W_report.pdf;

Verified Sender: This email is from an internal and/or verified domain which passed security verifications. Remember to still be cautious with personal data and follow company policies.

Hi Team,

See below additional analysis.

Kind Regards,

Karl Bulow
Analytical Services Manager

Eurofins | Environment Testing
6 Monterey Rd
Dandenong South, VIC, 3175

Mobile : 0477 574 867
Email : karl.bulow@eurofinsanz.com

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From: Natasha Vella <Natasha.Vella@fyfe.com.au>
Sent: Tuesday, May 12, 2026 3:14 PM
To: Karl Bulow <Karl.Bulow@eurofinsanz.com>
Subject: FW: Eurofins Test Results, Invoice - Report 1352171 : Site Hygge Unley Road (82257-2)

Unverified Sender: The sender of this email has not been verified. Review the content of the message carefully and verify the identity of the sender before acting on this email: replying, opening attachments or clicking links.

Hi Karl,

Can we please get TRH Silica Gel Cleanup run on sample MW01.

Kind regards,
Tash.

Natasha Vella | Senior Environmental Engineer
T +61 8 8201 9711



Follow us on [LinkedIn](#)

From: Catherine Wilson <EET-ELVIS@eurofinsanz.com>
Sent: Thursday, 7 May 2026 3:52 PM
To: Natasha Vella <Natasha.Vella@fyfe.com.au>
Cc: Fyfe Laboratory Results <enviro.lab@fyfe.com.au>
Subject: Eurofins Test Results, Invoice - Report 1352171 : Site Hygge Unley Road (82257-2)

Please find attached results and invoice for your project in the subject header.

Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Melbourne 6 Monterey Road Dandenong South VIC 3175 +61 3 8564 5000 NATA# 1261 Site# 1254	Geelong 19/8 Lewalan Street Grovedale VIC 3216 +61 3 8564 5000 NATA# 1261 Site# 25403	Sydney 179 Magowar Road Girraween NSW 2145 +61 2 9900 8400 NATA# 1261 Site# 18217	Newcastle 1/2 Frost Drive Mayfield West NSW 2304 +61 2 4968 8448 NATA# 1261 Site# 25079	Canberra Unit 1,2 Dacre Street Mitchell ACT 2911 +61 2 6113 8091 NATA# 1261 Site# 25466	Brisbane 7 Smallwood Place Murarrie QLD 4172 +61 7 3902 4600 NATA# 1261 Site# 20794 & 2780	Hobart 282A Argyle Street North Hobart TAS 7000 +61 3 8564 5000 NATA# 1261 Site# 1254	Perth 46-48 Banksia Road Welshpool WA 6106 +61 8 6253 4444 NATA# 2377 Site# 2370 & 2554
---	--	--	--	--	---	--	--

Sample Receipt Advice

Company name:	Fyfe Earth Partners Pty Ltd SA
Contact name:	Natasha Vella
Project name:	Hygge Unley Road
Project ID:	82257-2
Turnaround time:	5 Day
Date/Time received	May 12, 2026 3:14 PM
Eurofins reference	1358109

Sample Information

- ✓ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ✓ All samples have been received as described on the above COC.
- ✓ COC has been completed correctly.
- N/A Attempt to chill was evident.
- ✓ Appropriately preserved sample containers have been used.
- ✓ All samples were received in good condition.
- ✓ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ✓ Appropriate sample containers have been used.
- ✓ Sample containers for volatile analysis received with zero headspace.
- ✗ Split sample sent to requested external lab.
- ✗ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Notes

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Karl Bulow on phone : +61 3 8564 5000 or by email: Karl.Bulow@eurofinsanz.com

Results will be delivered electronically via email to Natasha Vella - Natasha.Vella@fyfe.com.au.

Note: A copy of these results will also be delivered to the general Fyfe Earth Partners Pty Ltd SA email address.



Eurofins Environment Testing Australia Pty Ltd

ABN: 50 005 085 521

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
+61 3 8564 5000
NATA# 1261
Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
+61 3 8564 5000
NATA# 1261
Site# 25403

Sydney
179 Magowar Road
Girraween
NSW 2145
+61 2 9900 8400
NATA# 1261
Site# 18217

Newcastle
1/2 Frost Drive
Mayfield West
NSW 2304
+61 2 4968 8448
NATA# 1261
Site# 25079

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
+61 2 6113 8091
NATA# 1261
Site# 25466

Brisbane
7 Smallwood Place
Murarrie
QLD 4172
+61 7 3902 4600
NATA# 1261
Site# 20794 & 2780

Hobart
282A Argyle Street
North Hobart
TAS 7000
+61 3 8564 5000
NATA# 1261
Site# 1254

Eurofins ARL Pty Ltd

ABN: 91 05 0159 898

Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

web: www.eurofins.com.au
email: EnviroSales@eurofinsanz.com

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1358109
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: May 12, 2026 3:14 PM
Due: May 19, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail

TRH (after Silica Gel cleanup)

Melbourne Laboratory - NATA # 1261 Site # 1254

X

External Laboratory

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID
1	MW01	Apr 28, 2026		Water	M26-My0035167

X

Test Counts

1

Fyfe Earth Partners
Level 1, 124 South Tce
Adelaide
SA 5000



NATA Accredited
Accreditation Number 1261
Site Number 1254

Accredited for compliance with ISO/IEC 17025 – Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection, proficiency testing scheme providers and
 reference materials producers reports and certificates.

Attention: **Natasha Vella**

Report **1358109-W**
 Project name **Hygge Unley Road**
 Project ID **82257-2**
 Received Date **May 12, 2026**

Client Sample ID			MW01
Sample Matrix			Water
Eurofins Sample No.			M26-My0035167
Date Sampled			Apr 28, 2026
Test/Reference	LOR	Unit	
TRH - 2013 NEPM Fractions (after silica gel clean-up)			
TRH >C10-C16 (after silica gel clean-up)	0.05	mg/L	< 0.05
TRH >C16-C34 (after silica gel clean-up)	0.1	mg/L	0.3
TRH >C34-C40 (after silica gel clean-up)	0.1	mg/L	< 0.1
TRH >C10-C40 (total) (after silica-gel clean up)*	0.1	mg/L	0.3
TRH - 1999 NEPM Fractions (after silica gel clean-up)			
TRH C10-C14 (after silica gel clean-up)	0.05	mg/L	< 0.05
TRH C15-C28 (after silica gel clean-up)	0.1	mg/L	0.2
TRH C29-C36 (after silica gel clean-up)	0.1	mg/L	< 0.1
TRH C10-C36 (Total) (after silica gel clean-up)	0.1	mg/L	0.2

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description

TRH - 2013 NEPM Fractions (after silica gel clean-up)

- Method: LTM-ORG-2010 TRH C6-C40 (Silica gel clean up)

TRH - 1999 NEPM Fractions (after silica gel clean-up)

- Method: LTM-ORG-2010 TRH C6-C40 (Silica gel clean up)

Testing Site

Melbourne

Melbourne

Extracted

May 12, 2026

May 12, 2026

Holding Time

7 Days

7 Days



web: www.eurofins.com.au

email: EnviroSales@eurofinsanz.com

Melbourne
6 Monterey Road
Dandenong South
VIC 3175
+61 3 8564 5000
NATA# 1261
Site# 1254

Geelong
19/8 Lewalan Street
Grovedale
VIC 3216
+61 3 8564 5000
NATA# 1261
Site# 25403

Sydney
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Girraween
NSW 2145
+61 2 9900 8400
NATA# 1261
Site# 18217

Newcastle
1/2 Frost Drive
Mayfield West
NSW 2304
+61 2 4968 8448
NATA# 1261
Site# 25079

Canberra
Unit 1,2 Dacre Street
Mitchell
ACT 2911
+61 2 6113 8091
NATA# 1261
Site# 25466

Brisbane
7 Smallwood Place
Murarrie
QLD 4172
+61 7 3902 4600
NATA# 1261
Site# 20794 & 2780

Hobart
282A Argyle Street
North Hobart
TAS 7000
+61 3 8564 5000
NATA# 1261
Site# 1254

Perth
46-48 Banksia Road
Welshpool
WA 6106
+61 8 6253 4444
NATA# 2377
Site# 2370 & 2554

Company Name: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce
Adelaide
SA 5000

Project Name: Hygge Unley Road
Project ID: 82257-2

Order No.:
Report #: 1358109
Phone: 08 8201 9600
Fax: 08 8201 9650

Received: May 12, 2026 3:14 PM
Due: May 19, 2026
Priority: 5 Day
Contact Name: Natasha Vella

Eurofins Analytical Services Manager : Karl Bulow

Sample Detail

TRH (after Silica Gel cleanup)

Melbourne Laboratory - NATA # 1261 Site # 1254

X

External Laboratory

No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID	
1	MW01	Apr 28, 2026		Water	M26-My0035167	X
Test Counts						1

Internal Quality Control Review and Glossary

General

1. Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follow guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013. They are included in this QC report where applicable. Additional QC data may be available on request.
2. Unless otherwise stated, all soil/sediment/solid results are reported on a dry weight basis.
3. Unless otherwise stated, all biota/food results are reported on a wet weight basis on the edible portion.
4. For CEC results where the sample's origin is unknown or environmentally contaminated, the results should be used advisedly.
5. Actual LORs are matrix dependent. Quoted LORs may be raised where sample extracts are diluted due to interferences.
6. Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds where annotated.
7. SVOC analysis on waters is performed on homogenised, unfiltered samples unless noted otherwise.
8. Samples were analysed on an 'as received' basis.
9. Information identified in this report with **blue** colour indicates data provided by customers that may have an impact on the results.
10. This report replaces any interim results previously issued.

Holding Times

Please refer to the 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours before sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and despite any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the sampling date; therefore, compliance with these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether, the holding time is seven days; however, for all other VOCs, such as BTEX or C6-10 TRH, the holding time is 14 days.

Units

mg/kg: milligrams per kilogram	mg/L: milligrams per litre	ppm: parts per million
µg/L: micrograms per litre	ppb: parts per billion	%: Percentage
org/100 mL: Organisms per 100 millilitres	NTU: Nephelometric Turbidity Units	MPN/100 mL: Most Probable Number of organisms per 100 millilitres
CFU: Colony Forming Unit	Colour: Pt-Co Units (CU)	

Terms

APHA	American Public Health Association
CEC	Cation Exchange Capacity
COC	Chain of Custody
CP	Client Parent - QC was performed on samples pertaining to this report
CRM	Certified Reference Material (ISO17034) - reported as percent recovery.
Dry	Where moisture has been determined on a solid sample, the result is expressed on a dry weight basis.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
LOR	Limit of Reporting.
LCS	Laboratory Control Sample - reported as percent recovery.
Method Blank	In the case of solid samples, these are performed on laboratory-certified clean sands and in the case of water samples, these are performed on de-ionised water.
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC represents the sequence or batch that client samples were analysed within.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
SRA	Sample Receipt Advice
Surr - Surrogate	The addition of a similar compound to the analyte target is reported as percentage recovery. See below for acceptance criteria.
TBTO	Tributyltin oxide (<i>bis</i> -tributyltin oxide) - individual tributyltin compounds cannot be identified separately in the environment; however, free tributyltin was measured, and its values were converted stoichiometrically into tributyltin oxide for comparison with regulatory limits.
TCLP	Toxicity Characteristic Leaching Procedure
TEQ	Toxic Equivalency Quotient or Total Equivalence
QSM	US Department of Defense Quality Systems Manual Version 6.0
US EPA	United States Environmental Protection Agency
WA DWER	Sum of PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC - Acceptance Criteria

The acceptance criteria should only be used as a guide and may be different when site-specific Sampling Analysis and Quality Plan (SAQP) have been implemented.

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is ≤30%; however, the following acceptance guidelines are equally applicable:

Results <10 times the LOR:	No Limit
Results between 10-20 times the LOR:	RPD must lie between 0-50%
Results >20 times the LOR:	RPD must lie between 0-30%

NOTE: pH duplicates are reported as a range, not as RPD

Surrogate Recoveries: Recoveries must lie between 20-130% for Speciated Phenols & 50-150% for PFAS. SVOCs recoveries 20 – 150%, VOC recoveries 50 – 150%

PFAS field samples containing surrogate recoveries above the QC limit designated in QSM 6.0, where no positive PFAS results have been reported or reviewed, and no data was affected.

QC Data General Comments

1. Where a result is reported as less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown are not data from your samples.
3. pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore, laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
4. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of recovery, the term "INT" appears against that analyte.
5. For Matrix Spikes and LCS results, a dash "-" in the report means that the specific analyte was not added to the QC sample.
6. Duplicate RPDs are calculated from raw analytical data; thus, it is possible to have two sets of data.

Quality Control Results

Test				Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Method Blank										
TRH - 2013 NEPM Fractions (after silica gel clean-up)										
TRH >C10-C16 (after silica gel clean-up)				mg/L	< 0.05			0.05	Pass	
TRH >C16-C34 (after silica gel clean-up)				mg/L	< 0.1			0.1	Pass	
TRH >C34-C40 (after silica gel clean-up)				mg/L	< 0.1			0.1	Pass	
Method Blank										
TRH - 1999 NEPM Fractions (after silica gel clean-up)										
TRH C10-C14 (after silica gel clean-up)				mg/L	< 0.05			0.05	Pass	
TRH C15-C28 (after silica gel clean-up)				mg/L	< 0.1			0.1	Pass	
TRH C29-C36 (after silica gel clean-up)				mg/L	< 0.1			0.1	Pass	
LCS - % Recovery										
TRH - 2013 NEPM Fractions (after silica gel clean-up)										
TRH >C10-C16 (after silica gel clean-up)				%	103			70-130	Pass	
LCS - % Recovery										
TRH - 1999 NEPM Fractions (after silica gel clean-up)										
TRH C10-C14 (after silica gel clean-up)				%	103			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1				Acceptance Limits	Pass Limits	Qualifying Code
Duplicate										
TRH - 2013 NEPM Fractions (after silica gel clean-up)					Result 1	Result 2	RPD			
TRH >C10-C16 (after silica gel clean-up)	M26-My0035167	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass		
TRH >C16-C34 (after silica gel clean-up)	M26-My0035167	CP	mg/L	0.3	0.7	83	30%	Fail		Q15
TRH >C34-C40 (after silica gel clean-up)	M26-My0035167	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass		
Duplicate										
TRH - 1999 NEPM Fractions (after silica gel clean-up)					Result 1	Result 2	RPD			
TRH C10-C14 (after silica gel clean-up)	M26-My0035167	CP	mg/L	< 0.05	< 0.05	<1	30%	Pass		
TRH C15-C28 (after silica gel clean-up)	M26-My0035167	CP	mg/L	0.2	0.6	87	30%	Fail		Q15
TRH C29-C36 (after silica gel clean-up)	M26-My0035167	CP	mg/L	< 0.1	< 0.1	<1	30%	Pass		

Comments

Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	N/A
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
Q15	The RPD reported passes Eurofins Environment Testing's QC - Acceptance Criteria as defined in the Internal Quality Control Review and Glossary page of this report.

Authorised by:

Sheridan Barrett	Analytical Services Manager
Joseph Edouard	Senior Analyst-Organic



Glenn Jackson
Managing Director

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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CHAIN OF CUSTODY RECORD

Eurofins | Environmental Testing ABN 50 005 085 521

Sydney Laboratory
179 Macquarie Road, Carramoon NSW 2066
(02) 9603 8400 Email: sydney@eurofins.com.au

Melbourne Laboratory
Unit 1 21 Smallwood Place, Murrumbidgee QLD 4172
(07) 3827 4600 Email: melbourne@eurofins.com.au

Perth Laboratory (ABN 911 050 139 898)
46-48 Banksia Road, Wembley WA 6106
(08) 9250 4444 Email: perth@eurofins.com.au

Melbourne Laboratory
5 Montrose Road, Dandenong South VIC 3175
(03) 9594 9000 Email: melbourne@eurofins.com.au

Newcastle Laboratory
1/2 Frost Drive, Mayfield West, NSW
(02) 4959 6644 Email: newcastle@eurofins.com.au

Company: Fyfe Earth Partners Pty Ltd SA
Address: Level 1, 124 South Tce, Adelaide, South Australia 5000
Contact Name: Natasha Vella
Phone No: 0421 439 887
Special Directions:
Unique Identifier: F081a7956b789
Purchase Order:
Quote ID No: Z30022FYFS

Project No: 82257-2
Project Name: Hygge Unley Road

Project Manager: Natasha Vella
EDD Format: Facility Code

Sampler(s): CAB
Handed over by: CAB
Email for Invoice:
Email for Results: natasha.vella@fyfe.com.au

Containers: Required Turnaround Time (TAT):
Default TAT is 5 Days

Confirm TAT (Required):

*Surcharge applies

Other TAT Requirements:

Sample Comments / Dangerous Goods / Hazard Warning

Please forward sample to ALS

#1352171

Jayden

Environmental Division
Melbourne
Work Order Reference
EM2607629



Telephone : + 61-3-8549 9600

Charley 12/5
30/4/26 11:45



SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : **EM2607629**

Client : **FYFE PTY LTD**
Contact : **NATASHA VELLA**
Address : **LEVEL 1, 124 SOUTH TERRACE**
ADELAIDE SOUTH AUSTRALIA 5000

E-mail : **Natasha.vella@fyfe.com.au**
Telephone : **----**
Facsimile : **----**

Project : **82257-2**
Order number : **----**
C-O-C number : **----**
Site : **----**
Sampler : **CAB**

Laboratory : **Environmental Division Melbourne**
Contact : **Kieren Burns**
Address : **4 Westall Rd Springvale VIC Australia**
3171

E-mail : **kieren.burns@alsglobal.com**
Telephone : **+61881625130**
Facsimile : **+61-3-8549 9626**

Page : **1 of 2**
Quote number : **EP2023FYFEAR0001 (EN/111)**
QC Level : **NEPM 2013 B3 & ALS QC Standard**

Dates

Date Samples Received : **30-Apr-2026 11:15**
Client Requested Due : **07-May-2026**
Date

Issue Date : **30-Apr-2026**
Scheduled Reporting Date : **07-May-2026**

Delivery Details

Mode of Delivery : **Carrier**
No. of coolers/boxes : **2**

Security Seal : **Not Available**
Temperature : **4.6, 5.3, 6.5 °C - Ice Bricks**
present

Receipt Detail :
No. of samples received / analysed : **1 / 1**

General Comments

- This report contains the following information:
 - Sample Container(s)/Preservation Non-Compliances
 - Summary of Sample(s) and Requested Analysis
 - Proactive Holding Time Report
 - Requested Deliverables
- **Please direct any queries related to sample condition / numbering / breakages to Client Services.**
- Sample Disposal - Aqueous (3 weeks), Solid (2 months) from receipt of samples.
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.



CERTIFICATE OF ANALYSIS

Work Order : **EM2607629**
Client : FYFE PTY LTD
Contact : NATASHA VELLA
Address : LEVEL 1, 124 SOUTH TERRACE
ADELAIDE SOUTH AUSTRALIA 5000
Telephone : ---
Project : 82257-2
Order number : ---
C-O-C number : ---
Sampler : CAB
Site : ---
Quote number : EN/111
No. of samples received : 1
No. of samples analysed : 1

Page : 1 of 6
Laboratory : Environmental Division Melbourne
Contact : Kieren Burns
Address : 4 Westall Rd Springvale VIC Australia 3171
Telephone : +61881625130
Date Samples Received : 30-Apr-2026 11:15
Date Analysis Commenced : 01-May-2026
Issue Date : 05-May-2026 15:37



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Nancy Wang	2IC Organic Chemist	Melbourne Organics, Springvale, VIC
Nikki Stepniewski	Senior Inorganic Instrument Chemist	Melbourne Inorganics, Springvale, VIC



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
LOR = Limit of reporting
^ = This result is computed from individual analyte detections at or above the level of reporting
Ø = ALS is not NATA accredited for these tests.
~ = Indicates an estimated value.

- EP075 (SIM): Where reported, Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1,2,3-cd)pyrene (0.1), Dibenz(a,h)anthracene (1.0), Benzo(g,h,i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EP071, EP075(SIM): ALS requires 100ml of sample to analyse water samples for standard, semi-volatile, organic parameters. Where larger volume bottles have been submitted 100ml of sample has been subsampled. Solvent rinsing of the sample bottle, which is part of ALS's normal procedure, cannot be conducted prior to extraction in these instances.

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 Work Order : EM2607629
 Client : FYFE PTY LTD
 Project : 82257-2



Analytical Results

Sub-Matrix: WATER
 (Matrix: WATER)

Sample ID

Sub-Matrix: WATER (Matrix: WATER)				Sample ID	QC2	----	----	----	----
Sampling date / time				27-Apr-2026 00:00	----	----	----	----	
Compound	CAS Number	LOR	Unit	EM2607629-001	-----	-----	-----	-----	
				Result	----	----	----	----	
EG020F: Dissolved Metals by ICP-MS									
Lead	7439-92-1	0.001	mg/L	<0.001	----	----	----	----	
EP075(SIM)A: Phenolic Compounds									
Phenol	108-95-2	1.0	µg/L	<1.0	----	----	----	----	
2-Chlorophenol	95-57-8	1.0	µg/L	<1.0	----	----	----	----	
2-Methylphenol	95-48-7	1.0	µg/L	<1.0	----	----	----	----	
3- & 4-Methylphenol	1319-77-3	2.0	µg/L	<2.0	----	----	----	----	
2-Nitrophenol	88-75-5	1.0	µg/L	<1.0	----	----	----	----	
2,4-Dimethylphenol	105-67-9	1.0	µg/L	<1.0	----	----	----	----	
2,4-Dichlorophenol	120-83-2	1.0	µg/L	<1.0	----	----	----	----	
2,6-Dichlorophenol	87-65-0	1.0	µg/L	<1.0	----	----	----	----	
4-Chloro-3-methylphenol	59-50-7	1.0	µg/L	<1.0	----	----	----	----	
2,4,6-Trichlorophenol	88-06-2	1.0	µg/L	<1.0	----	----	----	----	
2,4,5-Trichlorophenol	95-95-4	1.0	µg/L	<1.0	----	----	----	----	
Pentachlorophenol	87-86-5	2.0	µg/L	<2.0	----	----	----	----	
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons									
Naphthalene	91-20-3	1.0	µg/L	<1.0	----	----	----	----	
Acenaphthylene	208-96-8	1.0	µg/L	<1.0	----	----	----	----	
Acenaphthene	83-32-9	1.0	µg/L	<1.0	----	----	----	----	
Fluorene	86-73-7	1.0	µg/L	<1.0	----	----	----	----	
Phenanthrene	85-01-8	1.0	µg/L	<1.0	----	----	----	----	
Anthracene	120-12-7	1.0	µg/L	<1.0	----	----	----	----	
Fluoranthene	206-44-0	1.0	µg/L	<1.0	----	----	----	----	
Pyrene	129-00-0	1.0	µg/L	<1.0	----	----	----	----	
Benz(a)anthracene	56-55-3	1.0	µg/L	<1.0	----	----	----	----	
Chrysene	218-01-9	1.0	µg/L	<1.0	----	----	----	----	
Benzo(b+j)fluoranthene	205-99-2 205-82-3	1.0	µg/L	<1.0	----	----	----	----	
Benzo(k)fluoranthene	207-08-9	1.0	µg/L	<1.0	----	----	----	----	

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 Work Order : EM2607629
 Client : FYFE PTY LTD
 Project : 82257-2



Analytical Results

Sub-Matrix: WATER
 (Matrix: WATER)

Sample ID

				QC2	----	----	----	----
Sampling date / time				27-Apr-2026 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	EM2607629-001	-----	-----	-----	-----
Result				----	----	----	----	----

EP075(SIM)B: Polynuclear Aromatic Hydrocarbons - Continued

Benzo(a)pyrene	50-32-8	0.5	µg/L	<0.5	----	----	----	----
Indeno(1,2,3-cd)pyrene	193-39-5	1.0	µg/L	<1.0	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	1.0	µg/L	<1.0	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	1.0	µg/L	<1.0	----	----	----	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	µg/L	<0.5	----	----	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	µg/L	<0.5	----	----	----	----

EP080/071: Total Petroleum Hydrocarbons

C6 - C9 Fraction	----	20	µg/L	<20	----	----	----	----
C10 - C14 Fraction	----	50	µg/L	<50	----	----	----	----
C15 - C28 Fraction	----	100	µg/L	750	----	----	----	----
C29 - C36 Fraction	----	50	µg/L	50	----	----	----	----
^ C10 - C36 Fraction (sum)	----	50	µg/L	800	----	----	----	----

EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions

C6 - C10 Fraction	C6_C10	20	µg/L	<20	----	----	----	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	20	µg/L	<20	----	----	----	----
>C10 - C16 Fraction	----	100	µg/L	<100	----	----	----	----
>C16 - C34 Fraction	----	100	µg/L	750	----	----	----	----
>C34 - C40 Fraction	----	100	µg/L	<100	----	----	----	----
^ >C10 - C40 Fraction (sum)	----	100	µg/L	750	----	----	----	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	100	µg/L	<100	----	----	----	----

EP080: BTEXN

Benzene	71-43-2	1	µg/L	<1	----	----	----	----
Toluene	108-88-3	2	µg/L	<2	----	----	----	----
Ethylbenzene	100-41-4	2	µg/L	<2	----	----	----	----
meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	----	----	----	----
ortho-Xylene	95-47-6	2	µg/L	<2	----	----	----	----

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 Work Order : EM2607629
 Client : FYFE PTY LTD
 Project : 82257-2



Analytical Results

Sub-Matrix: WATER
 (Matrix: WATER)

Sample ID

				QC2	----	----	----	----
Sampling date / time				27-Apr-2026 00:00	----	----	----	----
Compound	CAS Number	LOR	Unit	EM2607629-001	-----	-----	-----	-----
Result				----	----	----	----	----
EP080: BTEXN - Continued								
^ Total Xylenes	----	2	µg/L	<2	----	----	----	----
^ Sum of BTEX	----	1	µg/L	<1	----	----	----	----
Naphthalene	91-20-3	5	µg/L	<5	----	----	----	----
EP075(SIM)S: Phenolic Compound Surrogates								
Phenol-d6	13127-88-3	1.0	%	30.7	----	----	----	----
2-Chlorophenol-D4	93951-73-6	1.0	%	45.3	----	----	----	----
2,4,6-Tribromophenol	118-79-6	1.0	%	71.5	----	----	----	----
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	1.0	%	70.3	----	----	----	----
Anthracene-d10	1719-06-8	1.0	%	65.9	----	----	----	----
4-Terphenyl-d14	1718-51-0	1.0	%	59.7	----	----	----	----
EP080S: TPH(V)/BTEX Surrogates								
1,2-Dichloroethane-D4	17060-07-0	2	%	103	----	----	----	----
Toluene-D8	2037-26-5	2	%	102	----	----	----	----
4-Bromofluorobenzene	460-00-4	2	%	108	----	----	----	----

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Work Order : EM2607629
Client : FYFE PTY LTD
Project : 82257-2



Surrogate Control Limits

Sub-Matrix: WATER		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	10	51
2-Chlorophenol-D4	93951-73-6	30	114
2,4,6-Tribromophenol	118-79-6	26	133
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	35	127
Anthracene-d10	1719-06-8	44	122
4-Terphenyl-d14	1718-51-0	44	124
EP080S: TPH(V)/BTEX Surrogates			
1,2-Dichloroethane-D4	17060-07-0	73	129
Toluene-D8	2037-26-5	70	125
4-Bromofluorobenzene	460-00-4	71	129



QUALITY CONTROL REPORT

Work Order	: EM2607629	Page	: 1 of 6
Client	: FYFE PTY LTD	Laboratory	: Environmental Division Melbourne
Contact	: NATASHA VELLA	Contact	: Kieren Burns
Address	: LEVEL 1, 124 SOUTH TERRACE ADELAIDE SOUTH AUSTRALIA 5000	Address	: 4 Westall Rd Springvale VIC Australia 3171
Telephone	: ----	Telephone	: +61881625130
Project	: 82257-2	Date Samples Received	: 30-Apr-2026
Order number	: ----	Date Analysis Commenced	: 01-May-2026
C-O-C number	: ----	Issue Date	: 05-May-2026
Sampler	: CAB		
Site	: ----		
Quote number	: EN/111		
No. of samples received	: 1		
No. of samples analysed	: 1		



This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Nancy Wang	2IC Organic Chemist	Melbourne Organics, Springvale, VIC
Nikki Stepniewski	Senior Inorganic Instrument Chemist	Melbourne Inorganics, Springvale, VIC



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key :
 Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot
 CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.
 LOR = Limit of reporting
 RPD = Relative Percentage Difference
 # = Indicates failed QC

Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: **WATER**

Sub-Matrix: WATER				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EG020F: Dissolved Metals by ICP-MS (QC Lot: 7378626)									
EM2607564-001	Anonymous	EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
EM2607703-001	Anonymous	EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	<0.001	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7376377)									
EM2607481-026	Anonymous	EP071: C15 - C28 Fraction	----	100	µg/L	<100	<100	0.0	No Limit
		EP071: C10 - C14 Fraction	----	50	µg/L	<50	<50	0.0	No Limit
		EP071: C29 - C36 Fraction	----	50	µg/L	<50	<50	0.0	No Limit
EP080/071: Total Petroleum Hydrocarbons (QC Lot: 7378029)									
EM2607579-002	Anonymous	EP080: C6 - C9 Fraction	----	20	µg/L	<20	<20	0.0	No Limit
EM2607675-001	Anonymous	EP080: C6 - C9 Fraction	----	20	µg/L	<20	<20	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 7376377)									
EM2607481-026	Anonymous	EP071: >C10 - C16 Fraction	----	100	µg/L	<100	<100	0.0	No Limit
		EP071: >C16 - C34 Fraction	----	100	µg/L	<100	<100	0.0	No Limit
		EP071: >C34 - C40 Fraction	----	100	µg/L	<100	<100	0.0	No Limit
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QC Lot: 7378029)									
EM2607579-002	Anonymous	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	0.0	No Limit
EM2607675-001	Anonymous	EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	<20	0.0	No Limit
EP080: BTEXN (QC Lot: 7378029)									
EM2607579-002	Anonymous	EP080: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP080: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	<2	0.0	No Limit



Sub-Matrix: WATER				Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EP080: BTEXN (QC Lot: 7378029) - continued									
EM2607579-002	Anonymous	EP080: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP080: Naphthalene	91-20-3	5	µg/L	<5	<5	0.0	No Limit
EM2607675-001	Anonymous	EP080: Benzene	71-43-2	1	µg/L	<1	<1	0.0	No Limit
		EP080: Toluene	108-88-3	2	µg/L	<2	<2	0.0	No Limit
		EP080: Ethylbenzene	100-41-4	2	µg/L	<2	<2	0.0	No Limit
		EP080: meta- & para-Xylene	108-38-3	2	µg/L	<2	<2	0.0	No Limit
			106-42-3						
		EP080: ortho-Xylene	95-47-6	2	µg/L	<2	<2	0.0	No Limit
		EP080: Naphthalene	91-20-3	5	µg/L	<5	<5	0.0	No Limit



Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: **WATER**

Sub-Matrix: WATER				Method Blank (MB) Report	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%) LCS	Acceptable Limits (%) Low High	
Method: Compound	CAS Number	LOR	Unit	Result				
EG020F: Dissolved Metals by ICP-MS (QCLot: 7378626)								
EG020A-F: Lead	7439-92-1	0.001	mg/L	<0.001	0.1 mg/L	98.0	84.6	108
EP075(SIM)A: Phenolic Compounds (QCLot: 7376378)								
EP075(SIM): Phenol	108-95-2	1	µg/L	<1.0	5 µg/L	38.1	17.8	51.1
EP075(SIM): 2-Chlorophenol	95-57-8	1	µg/L	<1.0	5 µg/L	71.4	43.2	107
EP075(SIM): 2-Methylphenol	95-48-7	1	µg/L	<1.0	5 µg/L	64.9	39.2	98.7
EP075(SIM): 3- & 4-Methylphenol	1319-77-3	2	µg/L	<2.0	10 µg/L	61.4	35.5	91.3
EP075(SIM): 2-Nitrophenol	88-75-5	1	µg/L	<1.0	5 µg/L	72.0	34.4	124
EP075(SIM): 2,4-Dimethylphenol	105-67-9	1	µg/L	<1.0	5 µg/L	66.2	44.4	112
EP075(SIM): 2,4-Dichlorophenol	120-83-2	1	µg/L	<1.0	5 µg/L	66.7	45.3	115
EP075(SIM): 2,6-Dichlorophenol	87-65-0	1	µg/L	<1.0	5 µg/L	68.3	44.3	116
EP075(SIM): 4-Chloro-3-methylphenol	59-50-7	1	µg/L	<1.0	5 µg/L	68.5	46.6	117
EP075(SIM): 2,4,6-Trichlorophenol	88-06-2	1	µg/L	<1.0	5 µg/L	71.7	38.2	122
EP075(SIM): 2,4,5-Trichlorophenol	95-95-4	1	µg/L	<1.0	5 µg/L	87.7	43.2	123
EP075(SIM): Pentachlorophenol	87-86-5	2	µg/L	<2.0	10 µg/L	81.3	48.1	130
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7376378)								
EP075(SIM): Naphthalene	91-20-3	1	µg/L	<1.0	5 µg/L	72.3	42.8	114
EP075(SIM): Acenaphthylene	208-96-8	1	µg/L	<1.0	5 µg/L	77.8	48.6	119
EP075(SIM): Acenaphthene	83-32-9	1	µg/L	<1.0	5 µg/L	76.3	47.0	117
EP075(SIM): Fluorene	86-73-7	1	µg/L	<1.0	5 µg/L	79.1	49.5	119
EP075(SIM): Phenanthrene	85-01-8	1	µg/L	<1.0	5 µg/L	80.0	49.4	121
EP075(SIM): Anthracene	120-12-7	1	µg/L	<1.0	5 µg/L	79.3	48.4	122
EP075(SIM): Fluoranthene	206-44-0	1	µg/L	<1.0	5 µg/L	82.4	50.3	124
EP075(SIM): Pyrene	129-00-0	1	µg/L	<1.0	5 µg/L	79.2	50.0	126
EP075(SIM): Benz(a)anthracene	56-55-3	1	µg/L	<1.0	5 µg/L	84.4	49.4	127
EP075(SIM): Chrysene	218-01-9	1	µg/L	<1.0	5 µg/L	80.8	48.7	126
EP075(SIM): Benzo(b+j)fluoranthene	205-99-2 205-82-3	1	µg/L	<1.0	5 µg/L	84.7	54.5	134
EP075(SIM): Benzo(k)fluoranthene	207-08-9	1	µg/L	<1.0	5 µg/L	90.4	56.1	134
EP075(SIM): Benzo(a)pyrene	50-32-8	0.5	µg/L	<0.5	5 µg/L	86.7	55.6	135
EP075(SIM): Indeno(1,2,3.cd)pyrene	193-39-5	1	µg/L	<1.0	5 µg/L	79.9	54.4	126
EP075(SIM): Dibenz(a,h)anthracene	53-70-3	1	µg/L	<1.0	5 µg/L	82.7	54.5	126



Sub-Matrix: **WATER**

Method: Compound				Method Blank (MB) Report Result	Laboratory Control Spike (LCS) Report			
					Spike Concentration	Spike Recovery (%)	Acceptable Limits (%)	
						LCS	Low	High
CAS Number	LOR	Unit						
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons (QCLot: 7376378) - continued								
EP075(SIM): Benzo(g,h,i)perylene	191-24-2	1	µg/L	<1.0	5 µg/L	81.1	54.4	126
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7376377)								
EP071: C10 - C14 Fraction	----	50	µg/L	<50	4421 µg/L	76.4	47.2	122
EP071: C15 - C28 Fraction	----	100	µg/L	<100	15219 µg/L	79.6	52.9	131
EP071: C29 - C36 Fraction	----	50	µg/L	<50	7904 µg/L	77.1	50.4	127
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7378029)								
EP080: C6 - C9 Fraction	----	20	µg/L	<20	360 µg/L	103	66.2	134
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7376377)								
EP071: >C10 - C16 Fraction	----	100	µg/L	<100	6085 µg/L	74.1	49.1	125
EP071: >C16 - C34 Fraction	----	100	µg/L	<100	20300 µg/L	80.1	51.6	128
EP071: >C34 - C40 Fraction	----	100	µg/L	<100	1456 µg/L	82.2	47.2	130
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7378029)								
EP080: C6 - C10 Fraction	C6_C10	20	µg/L	<20	450 µg/L	104	66.2	132
EP080: BTEXN (QCLot: 7378029)								
EP080: Benzene	71-43-2	1	µg/L	<1	20 µg/L	96.2	68.8	127
EP080: Toluene	108-88-3	2	µg/L	<2	20 µg/L	99.2	72.9	129
EP080: Ethylbenzene	100-41-4	2	µg/L	<2	20 µg/L	98.8	71.7	130
EP080: meta- & para-Xylene	108-38-3 106-42-3	2	µg/L	<2	40 µg/L	106	72.3	136
EP080: ortho-Xylene	95-47-6	2	µg/L	<2	20 µg/L	107	75.9	134
EP080: Naphthalene	91-20-3	5	µg/L	<5	5 µg/L	95.8	68.3	131

Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: **WATER**

Laboratory sample ID				Matrix Spike (MS) Report			
				Spike Concentration	Spike Recovery(%)	Acceptable Limits (%)	
					MS	Low	High
Sample ID	Method: Compound	CAS Number					
EG020F: Dissolved Metals by ICP-MS (QCLot: 7378626)							
EM2607564-001	Anonymous	EG020A-F: Lead	7439-92-1	0.2 mg/L	93.3	75.0	133
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7376377)							
EM2607609-024	Anonymous	EP071: C10 - C14 Fraction	----	4421 µg/L	81.9	48.0	126
		EP071: C15 - C28 Fraction	----	15219 µg/L	91.4	51.7	132
		EP071: C29 - C36 Fraction	----	7904 µg/L	89.1	50.5	127



Sub-Matrix: WATER				Matrix Spike (MS) Report			
				Spike	SpikeRecovery(%)	Acceptable Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High
EP080/071: Total Petroleum Hydrocarbons (QCLot: 7378029)							
EM2607675-002	Anonymous	EP080: C6 - C9 Fraction	----	280 µg/L	79.9	33.9	126
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7376377)							
EM2607609-024	Anonymous	EP071: >C10 - C16 Fraction	----	6085 µg/L	81.8	48.0	128
		EP071: >C16 - C34 Fraction	----	20300 µg/L	92.1	50.4	130
		EP071: >C34 - C40 Fraction	----	1456 µg/L	94.8	47.4	131
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions (QCLot: 7378029)							
EM2607675-002	Anonymous	EP080: C6 - C10 Fraction	C6_C10	330 µg/L	77.2	34.0	122
EP080: BTEXN (QCLot: 7378029)							
EM2607675-002	Anonymous	EP080: Benzene	71-43-2	20 µg/L	98.5	56.3	133
		EP080: Toluene	108-88-3	20 µg/L	98.9	60.4	132



QA/QC Compliance Assessment to assist with Quality Review

Work Order : EM2607629

Page : 1 of 4

Client : FYFE PTY LTD
Contact : NATASHA VELLA
Project : 82257-2
Site : ----
Sampler : CAB
Order number : ----

Laboratory : Environmental Division Melbourne
Telephone : +61881625130
Date Samples Received : 30-Apr-2026
Issue Date : 05-May-2026
No. of samples received : 1
No. of samples analysed : 1

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

Summary of Outliers

Outliers : Quality Control Samples

This report highlights outliers flagged in the Quality Control (QC) Report.

- **NO** Method Blank value outliers occur.
- **NO** Duplicate outliers occur.
- **NO** Laboratory Control outliers occur.
- **NO** Matrix Spike outliers occur.
- For all regular sample matrices, where applicable to the methodology, **NO** surrogate recovery outliers occur.

Outliers : Analysis Holding Time Compliance

- **NO** Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers exist - please see following pages for full details.



Outliers : Frequency of Quality Control Samples

Matrix: **WATER**

Quality Control Sample Type		Count		Rate (%)		Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	
Laboratory Duplicates (DUP)						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	1	0.00	10.00	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)						
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	1	0.00	5.00	NEPM 2013 B3 & ALS QC Standard

Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for VOC in soils vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Matrix: **WATER**

Evaluation: ✖ = Holding time breach ; ✔ = Within holding time.

Method	Sample Date	Extraction / Preparation			Analysis		
Container / Client Sample ID(s)		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EG020F: Dissolved Metals by ICP-MS							
Clear Plastic Bottle - Nitric Acid; Filtered (EG020A-F) QC2	27-Apr-2026	----	----	----	05-May-2026	25-Oct-2026	✓
EP075(SIM)A: Phenolic Compounds							
Amber Glass Bottle - Unpreserved (EP075(SIM)) QC2	27-Apr-2026	01-May-2026	04-May-2026	✓	01-May-2026	10-Jun-2026	✓
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP075(SIM)) QC2	27-Apr-2026	01-May-2026	04-May-2026	✓	01-May-2026	10-Jun-2026	✓
EP080/071: Total Petroleum Hydrocarbons							
Amber Glass Bottle - Unpreserved (EP071) QC2	27-Apr-2026	01-May-2026	04-May-2026	✓	01-May-2026	10-Jun-2026	✓
Clear glass VOC vial - HCl (EP080) QC2	27-Apr-2026	01-May-2026	11-May-2026	✓	02-May-2026	11-May-2026	✓
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions							
Amber Glass Bottle - Unpreserved (EP071) QC2	27-Apr-2026	01-May-2026	04-May-2026	✓	01-May-2026	10-Jun-2026	✓
Clear glass VOC vial - HCl (EP080) QC2	27-Apr-2026	01-May-2026	11-May-2026	✓	02-May-2026	11-May-2026	✓
EP080: BTEXN							
Clear glass VOC vial - HCl (EP080) QC2	27-Apr-2026	01-May-2026	11-May-2026	✓	02-May-2026	11-May-2026	✓



Quality Control Parameter Frequency Compliance

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: **WATER**

Evaluation: ✖ = Quality Control frequency not within specification ; ✔ = Quality Control frequency within specification.

Quality Control Sample Type		Count		Rate (%)			Quality Control Specification
Analytical Methods	Method	QC	Regular	Actual	Expected	Evaluation	
Laboratory Duplicates (DUP)							
Dissolved Metals by ICP-MS - Suite A	EG020A-F	2	14	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	1	0.00	10.00	✗	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	2	15	13.33	10.00	✓	NEPM 2013 B3 & ALS QC Standard
Laboratory Control Samples (LCS)							
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	14	7.14	5.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	15	6.67	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Method Blanks (MB)							
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	14	7.14	5.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	1	1	100.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	15	6.67	5.00	✓	NEPM 2013 B3 & ALS QC Standard
Matrix Spikes (MS)							
Dissolved Metals by ICP-MS - Suite A	EG020A-F	1	14	7.14	5.00	✓	NEPM 2013 B3 & ALS QC Standard
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	0	1	0.00	5.00	✗	NEPM 2013 B3 & ALS QC Standard
TRH - Semivolatile Fraction	EP071	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard
TRH Volatiles/BTEX	EP080	1	15	6.67	5.00	✓	NEPM 2013 B3 & ALS QC Standard



Brief Method Summaries

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Dissolved Metals by ICP-MS - Suite A	EG020A-F	WATER	In house: Referenced to APHA 3125; USEPA SW846 - 6020, ALS QWI-EN/EG020. Samples are 0.45µm filtered prior to analysis. The ICPMS technique utilizes a highly efficient argon plasma to ionize selected elements. Ions are then passed into a high vacuum mass spectrometer, which separates the analytes based on their distinct mass to charge ratios prior to their measurement by a discrete dynode ion detector.
TRH - Semivolatile Fraction	EP071	WATER	In house: Referenced to USEPA SW 846 - 8015 The sample extract is analysed by Capillary GC/FID and quantification is by comparison against an established 5 point calibration curve of n-Alkane standards. This method is compliant with the QC requirements of NEPM Schedule B(3)
PAH/Phenols (GC/MS - SIM)	EP075(SIM)	WATER	In house: Referenced to USEPA SW 846 - 8270 Sample extracts are analysed by Capillary GC/MS in SIM Mode and quantification is by comparison against an established 5 point calibration curve. This method is compliant with NEPM Schedule B(3)
TRH Volatiles/BTEX	EP080	WATER	In house: Referenced to USEPA SW 846 - 8260 Water samples are directly purged prior to analysis by Capillary GC/MS and quantification is by comparison against an established 5 point calibration curve. Alternatively, a sample is equilibrated in a headspace vial and a portion of the headspace determined by GCMS analysis. This method is compliant with the QC requirements of NEPM Schedule B(3)
Preparation Methods	Method	Matrix	Method Descriptions
Separatory Funnel Extraction of Liquids	ORG14	WATER	In house: Referenced to USEPA SW 846 - 3510 100 mL to 1L of sample is transferred to a separatory funnel and serially extracted three times using DCM for each extract. The resultant extracts are combined, dehydrated and concentrated for analysis. This method is compliant with NEPM Schedule B(3) . ALS default excludes sediment which may be resident in the container.
Volatiles Water Preparation	ORG16-W	WATER	A 5 mL aliquot or 5 mL of a diluted sample is added to a 40 mL VOC vial for purging.

APPENDIX H
PROUCL 95% UCL OUTPUT



UCL Statistics for Uncensored Full Data Sets

User Selected Options

Date/Time of Computation ProUCL 5.2 25/05/2026 11:53:21 AM
 From File WorkSheet.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

BaP

General Statistics

Total Number of Observations	13	Number of Distinct Observations	4
		Number of Missing Observations	0
Minimum	0.5	Mean	0.831
Maximum	3.7	Median	0.5
SD	0.898	Std. Error of Mean	0.249
Coefficient of Variation	1.08	Skewness	3.193

Normal GOF Test

Shapiro Wilk Test Statistic	0.44
1% Shapiro Wilk Critical Value	0.814
Lilliefors Test Statistic	0.413
1% Lilliefors Critical Value	0.271

Shapiro Wilk GOF Test

Data Not Normal at 1% Significance Level

Lilliefors GOF Test

Data Not Normal at 1% Significance Level

Data Not Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL 1.274

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	1.476
95% Modified-t UCL (Johnson-1978)	1.311

Gamma GOF Test

A-D Test Statistic	3.139
5% A-D Critical Value	0.742
K-S Test Statistic	0.444
5% K-S Critical Value	0.239

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.162	k star (bias corrected MLE)	1.715
Theta hat (MLE)	0.384	Theta star (bias corrected MLE)	0.485
nu hat (MLE)	56.22	nu star (bias corrected)	44.58
MLE Mean (bias corrected)	0.831	MLE Sd (bias corrected)	0.634
		Approximate Chi Square Value (0.05)	30.27
Adjusted Level of Significance	0.0301	Adjusted Chi Square Value	28.59

Assuming Gamma Distribution

95% Approximate Gamma UCL	1.224	95% Adjusted Gamma UCL	1.295
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Lognormal GOF Test

Shapiro Wilk Test Statistic	0.52
10% Shapiro Wilk Critical Value	0.889
Lilliefors Test Statistic	0.437
10% Lilliefors Critical Value	0.215

Shapiro Wilk Lognormal GOF Test

Data Not Lognormal at 10% Significance Level

Lilliefors Lognormal GOF Test

Data Not Lognormal at 10% Significance Level

Data Not Lognormal at 10% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.693	Mean of logged Data	-0.434
Maximum of Logged Data	1.308	SD of logged Data	0.599

Assuming Lognormal Distribution

95% H-UCL	1.141	90% Chebyshev (MVUE) UCL	1.157
95% Chebyshev (MVUE) UCL	1.336	97.5% Chebyshev (MVUE) UCL	1.583
99% Chebyshev (MVUE) UCL	2.07		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution

Nonparametric Distribution Free UCLs

95% CLT UCL	1.24	95% BCA Bootstrap UCL	N/A
95% Standard Bootstrap UCL	N/A	95% Bootstrap-t UCL	N/A
95% Hall's Bootstrap UCL	N/A	95% Percentile Bootstrap UCL	N/A
90% Chebyshev(Mean, Sd) UCL	1.578	95% Chebyshev(Mean, Sd) UCL	1.916
97.5% Chebyshev(Mean, Sd) UCL	2.385	99% Chebyshev(Mean, Sd) UCL	3.308

Suggested UCL to Use

95% Student's-t UCL 1.274

The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.

Please verify the data were collected from random locations.

**If the data were collected using judgmental or other non-random methods,
then contact a statistician to correctly calculate UCLs.**

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Uncensored Full Data Sets

User Selected Options

Date/Time of Computation ProUCL 5.2 25/05/2026 11:53:45 AM
 From File WorkSheet.xls
 Full Precision OFF
 Confidence Coefficient 95%
 Number of Bootstrap Operations 2000

BaP (Zero)

General Statistics

Total Number of Observations	13	Number of Distinct Observations	4
		Number of Missing Observations	0
Minimum	0.5	Mean	1.069
Maximum	5.9	Median	0.5
SD	1.507	Std. Error of Mean	0.418
Coefficient of Variation	1.41	Skewness	3.205

Normal GOF Test

Shapiro Wilk Test Statistic	0.45
1% Shapiro Wilk Critical Value	0.814
Lilliefors Test Statistic	0.416
1% Lilliefors Critical Value	0.271

Shapiro Wilk GOF Test

Data Not Normal at 1% Significance Level

Lilliefors GOF Test

Data Not Normal at 1% Significance Level

Data Not Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL

95% Student's-t UCL	1.814
---------------------	-------

95% UCLs (Adjusted for Skewness)

95% Adjusted-CLT UCL (Chen-1995)	2.154
95% Modified-t UCL (Johnson-1978)	1.876

Gamma GOF Test

A-D Test Statistic	2.937
5% A-D Critical Value	0.752
K-S Test Statistic	0.457
5% K-S Critical Value	0.241

Anderson-Darling Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Kolmogorov-Smirnov Gamma GOF Test

Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.372	k star (bias corrected MLE)	1.106
Theta hat (MLE)	0.78	Theta star (bias corrected MLE)	0.966
nu hat (MLE)	35.66	nu star (bias corrected)	28.77
MLE Mean (bias corrected)	1.069	MLE Sd (bias corrected)	1.017
		Approximate Chi Square Value (0.05)	17.52
Adjusted Level of Significance	0.0301	Adjusted Chi Square Value	16.28

Assuming Gamma Distribution

95% Approximate Gamma UCL	1.755	95% Adjusted Gamma UCL	1.889
---------------------------	-------	------------------------	-------

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.557
10% Shapiro Wilk Critical Value	0.889
Lilliefors Test Statistic	0.449
10% Lilliefors Critical Value	0.215

Shapiro Wilk Lognormal GOF Test

Data Not Lognormal at 10% Significance Level

Lilliefors Lognormal GOF Test

Data Not Lognormal at 10% Significance Level

Data Not Lognormal at 10% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.693	Mean of logged Data	-0.34
Maximum of Logged Data	1.775	SD of logged Data	0.757

Assuming Lognormal Distribution

95% H-UCL	1.62	90% Chebyshev (MVUE) UCL	1.534
95% Chebyshev (MVUE) UCL	1.811	97.5% Chebyshev (MVUE) UCL	2.196
99% Chebyshev (MVUE) UCL	2.951		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution

Nonparametric Distribution Free UCLs

95% CLT UCL	1.757	95% BCA Bootstrap UCL	N/A
95% Standard Bootstrap UCL	N/A	95% Bootstrap-t UCL	N/A
95% Hall's Bootstrap UCL	N/A	95% Percentile Bootstrap UCL	N/A
90% Chebyshev(Mean, Sd) UCL	2.323	95% Chebyshev(Mean, Sd) UCL	2.892
97.5% Chebyshev(Mean, Sd) UCL	3.68	99% Chebyshev(Mean, Sd) UCL	5.229

Suggested UCL to Use

95% Student's-t UCL 1.814

The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.

Please verify the data were collected from random locations.

**If the data were collected using judgmental or other non-random methods,
then contact a statistician to correctly calculate UCLs.**

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

APPENDIX I
CALIBRATION CERTIFICATES





Air-Met Scientific Pty Ltd

PO Box 133

Nunawading VIC 3131

Australia

Phone: 1800 000 744

CERTIFICATE OF CALIBRATION

This document certifies that the instrument detailed has been calibrated to the parameters listed below

Certificate Number: 3986-R-6-20260410

Calibration Date: 10/04/2026

Next Calibration Due: 10/07/2026

Customer: Air-Met Scientific (National Rental)

Address: Unit 9, 130-132 Frederick Street , , WELLAND , 5007

Equipment No: EP019412

Unit Under Test: Geotech Interface Meter 30m

Serial No: 3986

Service Order No: CAL23406

Test Results

Item	Test	Pass	Comments
GAUGE	Inspected	Pass	
FRAME	Inspected	Pass	
CASE	Inspected & Cleaned	Pass	
BATTERY	Capacity checked	Pass	
SEALS	Inspected	Pass	
SOLENOID	Inspected	Pass	
DISPLAY	Display/Backlight checked	Pass	

Reference Equipment:

Equipment ID	Description	Expiry Date	Reference Certificate Number
--------------	-------------	-------------	------------------------------

Results:

Sensor	Units	Applied Value	Results		Pass/ Fail	Comments
			As Found	As Left		

Notes:

Calibrated By: JASPER.OLANIO

Signed: JASPER.OLANIO

LT PID



Air-Met Scientific Pty Ltd

PO Box 133

Nunawading VIC 3131

Australia

Phone: 1800 000 744

CERTIFICATE OF CALIBRATION

This document certifies that the instrument detailed has been calibrated to the parameters listed below

Certificate Number: T-115204-R-10-20260219

Calibration Date: 19/02/2026

Next Calibration Due: 19/05/2026

Customer: Air-Met Scientific (National Rental)

Address: Unit 9, 130-132 Frederick Street, , WELLAND, 5007

Equipment No: EP020569

Unit Under Test: Tiger PhoCheck VOC Detector - Data Logging PPM

Serial No: T-115204

Service Order No: CAL18554

Test Results						
Item	Test		Pass	Comments		
BATTERY	Capacity checked		Pass			
BATTERY	Charging Confirmed		Pass			
CASE	Inspected & Cleaned		Pass			
DISPLAY	Display/Backlight checked		Pass			
DISPLAY	Display/Backlight checked		Pass			
FILTER	Inspected		Pass			
FLOWRATE	Flowrate checked		Pass			
Reference Equipment:						
Equipment ID	Description		Expiry Date	Reference Certificate Number		
SA057	100ppm Isobutylene, 20.9% O2, N2 Balance		29/12/2028	MA0004790		
Results:						
Sensor	Units	Applied Value	Results		Pass/ Fail	Comments
			As Found	As Left		
PID	ppm	100	100.4	100	Pass	
Notes:						



Calibrated By: DESHENG.LI

Signed: DESHENG.LI



Quality
ISO 9001

SAI GLOBAL



Air-Met Scientific Pty Ltd

PO Box 133

Nunawading VIC 3131

Australia

Phone: 1800 000 744

CERTIFICATE OF CALIBRATION

This document certifies that the instrument detailed has been calibrated to the parameters listed below

Certificate Number: 18J104326-R-11-20260423

Calibration Date: 23/04/2026

Next Calibration Due: 23/07/2026

Customer: Air-Met Scientific (National Rental)

Address: Unit 9, 130-132 Frederick Street, WELLAND, 5007

Equipment No: EP020206

Unit Under Test: YSI ProPlus Water Quality Meter

Serial No: 18J104326

Service Order No: CAL24556

Test Results						
Item	Test		Pass	Comments		
BATTERY	Capacity checked		Pass			
DISPLAY	Display/Backlight checked		Pass			
PCB	Inspected		Pass			
CASE	Inspected & Cleaned		Pass			
KEYPAD	Function checked		Pass			
SENSOR(S)	Cleaned		Pass			
Reference Equipment:						
Equipment ID	Description		Expiry Date	Reference Certificate Number		
SACOND	Conductivity (2760 us/cm @ 25 deg)		1/04/2027	453385		
SAPH7	PH7 (pH = 7.00 +/- 0.02 @ 25 deg)		18/03/2027	448192		
SAPH4	pH4.01 @ 25 degrees celsius		18/03/2027	455495		
SAORP	ORP Solution (234 @ 20 deg)		18/03/2027	456470/456471		
SADO	DO Powder (Sodium Sulphite Solution)		1/04/2030	445389		
Results:						
Sensor	Units	Applied	Results		Pass/ Fail	Comments
		Value	As Found	As Left		
TEMPERATURE	°C	23.5	22.9	22.9	Pass	
CONDUCTIVITY	µS/cm	2760	2809	2760	Pass	
PH4	pH	4	3.77	4	Pass	
PH7	pH	7	6.67	7	Pass	

ORP	mV	226.3	240	226.3	Pass	
DISSOLVED OXYGEN	%	100	102	100	Pass	

Notes:

Calibrated By: JASPER.OLANIO

Signed: JASPER.OLANIO